JVC

SERVICE MANUAL

PDP COLOUR TELEVISION

PD-35D30ES

BASIC CHASSIS
MK

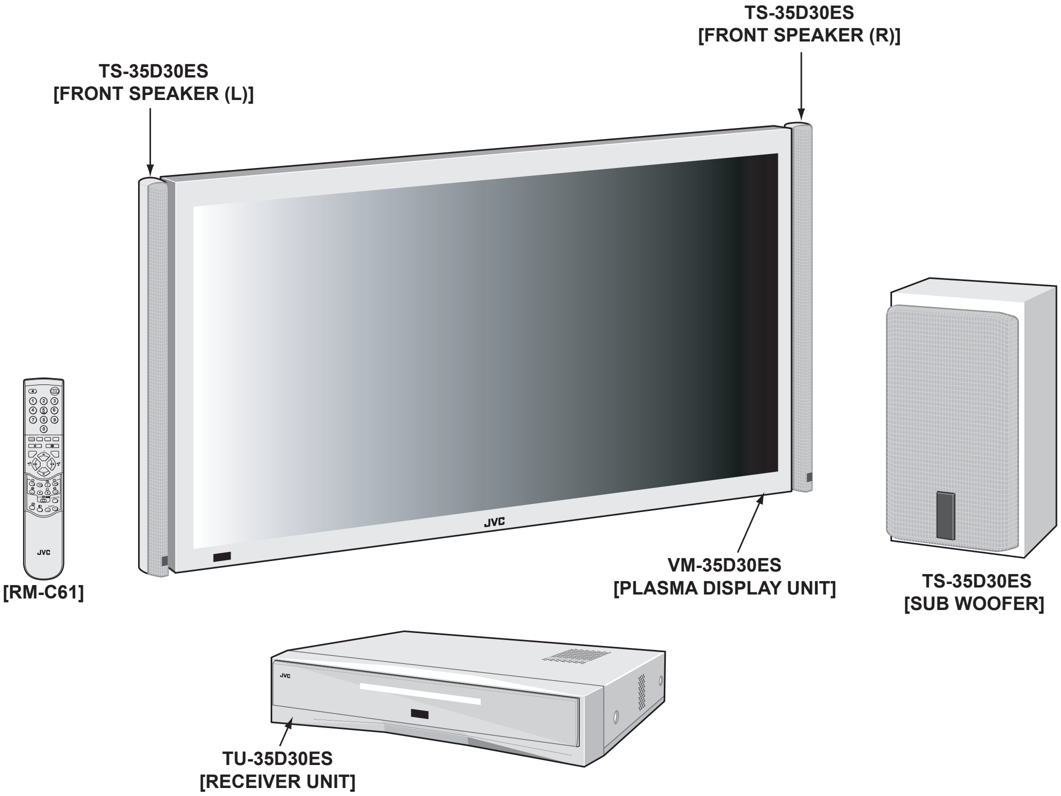
InteriArt

Speaker

D.I.S.T.

Digital Image Scaling Technology

T-V LINK


TS-35D30ES
[FRONT SPEAKER (R)]
TS-35D30ES
[FRONT SPEAKER (L)]
JVC
[RM-C61]
VM-35D30ES
[PLASMA DISPLAY UNIT]
TS-35D30ES
[SUB WOOFER]
JVC
TU-35D30ES
[RECEIVER UNIT]

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SPECIFICATION

Item			Contents
Dimensions (W x H x D)		Plasma display unit	88.7cm x 54.5cm x 9.9cm (without Front speaker) 97.5cm x 54.5cm x 10.3cm (with Front speaker)
		Receiver unit	43.5cm x 9.9cm x 38.2cm
		Front speaker	4.2cm x 54.5cm x 5.4cm
		Sub woofer	43.5cm x 23.0cm x 12.6cm
Mass		Plasma display unit	27.2kg (without Front speaker) 29.3kg (with Front speaker)
		Receiver unit	5.3kg
		Front speaker	0.7kg (per one speaker without attachment bracket)
		Sub woofer	3.7kg
TV RF System			CCIR B/G, I, D/K, L
Colour System			PAL / SECAM / NTSC • The external terminals also support the NTSC 3.58/4.43 MHz system.
Stereo System			A2 (B/G, D/K), NICAM (B/G, I, D/K)
Teletext System			FLOF (Fastext), TOP, WST (World Standard System)
Receiving Frequency		VHF	47MHz ~ 470MHz
		UHF	470MHz ~ 862MHz
		CATV	116MHz ~ 172MHz, 220MHz ~ 469MHz
Intermediate Frequency		VIF	38.9MHz (B / G, D / K, I)
		SIF	33.4MHz (5.5MHz: B/G) / 32.9MHz (6.0MHz: I) / 32.4MHz (6.5MHz: D/K) / 40.45MHz (6.5MHz :L)
Colour Sub Carrier		PAL	4.43MHz
		SECAM	4.40625MHz / 4.25MHz
		NTSC	3.58MHz / 4.43MHz
Power Input			AC110V ~ AC240V, 50Hz / 60Hz
Power Consumption		Plasma display unit	Operate: 243W, Stand by: 0.5W
		Receiver unit	Operate: 35W, Stand by: 2.4W
Plasma Display Panel (PDP)			⚠QLE0021-002 35-inch wide aspect (16:9)
Screen Size			Viewable area 90.2cm (measured diagonally) W: 78.6cm x H: 44.3cm
Display Pixels			Horizontal: 853 dots x Vertical: 480 dots [W-VGA]
Audio Output			Front: 10W+10W, Sub woofer: 15W
Speaker		Front speaker	9.5cm x 1cm square x 2, Direct Drive system
		Sub woofer (for bass sound)	16cm round x 1
Aerial Input (VHF/UHF)			75 ohm Unbalanced, coaxial
External Terminal	EXT-1 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, Audio L/R inputs and RGB inputs are available. • TV broadcast outputs (Video and Audio L/R) are available.
	EXT-2 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-video (Y/C) input, Audio L/R inputs and RGB inputs are available. • Video and Audio L/R outputs are available. • T-V LINK functions are available.
	EXT-3 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input and Audio L/R inputs are available.
	EXT-4 (Input)	COMPONENT VIDEO	RCA pin jack x 3 Y: 1V(p-p), Positive (Negative sync provided), 75 ohm Pb/Pr: 0.7V(p-p), 75 ohm • Progressive-scanning signals (625p or 525p) are available.
		AUDIO	500mV (rms), High impedance RCA pin jack x 2
	EXT-5 (Input)	S-VIDEO	Mini-DIN 4 pin x 1 Y: 1V(p-p), Positive (Negative sync provided), 75 ohm C: 0.286V(p-p) (Burst signal), 75 ohm
		VIDEO	1V(p-p), Positive (Negative sync provided), 75 ohm RCA pin jack x 1
		AUDIO	500mV(rms), Low impedance RCA pin jack x 2
	AUDIO OUT (Fixed)		500mV(rms), Low impedance RCA pin jack x 2
	Headphone		3.5mm Stereo mini jack x 1
Display Input / Output Terminal (For system cable)			Control / Audio: 24-pin D-sub connector Video: 26-pin DVI-D connector
Speaker Terminal			Front speaker: 6 ohm Max. output 10W Subwoofer: 4 ohm Max. output 15W
Remote Control Unit			RM-C61-1C (battery: R03 / UM-4 x 2)

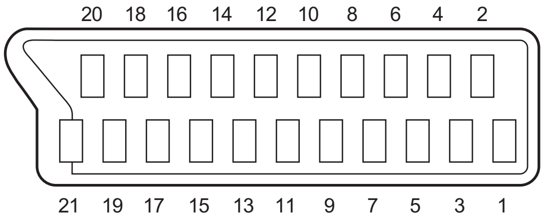
Design and specifications subject to change without notice.

21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3

PinNo.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	NC
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used	Used	Used
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
4	AUDIO GND		Used	Used	Used
5	GND (B)		Used	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used	Used	Used
7	B input	700mV$_{(B-W)}$, 75 ohm	Used	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V, High : 8V-12V, High impedance	Used	Used	Used
9	GND (G)		Used	Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2/TV-LINK)	Used (SCL3)
11	G input	700mV$_{(B-W)}$, 75 ohm	Used	Used	Not used
12	SDA		Not used	Used(SDA2)	Used(SDA3)
13	GND (R)		Used	Used	Used
14	GND (YS)		Used	Not used	Not used
15	R / C input	R : 700mV$_{(B-W)}$, 75 ohm C : 300mV$_{(P-P)}$, 75 ohm	Used (R)	Used (C2/R)	Used (C3)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75 ohm	Used	Used	Not used
17	GND (VIDEO output)		Used	Used	Used
18	GND (VIDEO input)		Used	Used	Used
19	VIDEO output	1V$_{(P-P)}$ (Negative going sync), 75 ohm	Used (TV OUT)	Used (LINE OUT)	Not used
20	VIDEO / Y input	1V$_{(P-P)}$ (Negative going sync), 75 ohm	Used	Used	Used
21	COMMON GND		Used	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



SECTION 1
PRECAUTIONS

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

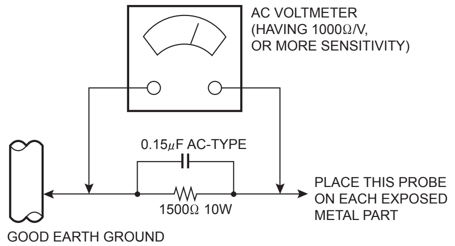
(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced.
Always use the manufacturer's replacement components.

(9) **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/ audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes.
For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer.
Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubing’s, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 INSTALLATION

1.3.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

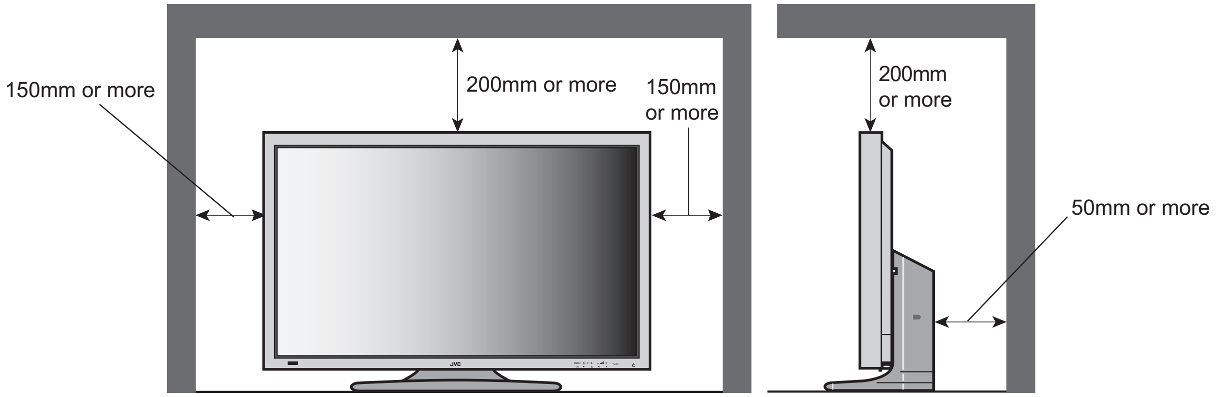
1.3.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.

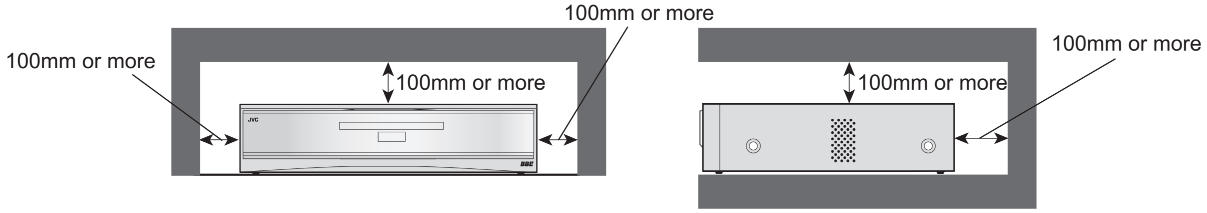
Install the unit on stable flooring or stands.

Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

SPACE REQUIRED FOR INSTALLATION OF THE DISPLAY UNIT


150mm or more
200mm or more
150mm or more
200mm or more
50mm or more

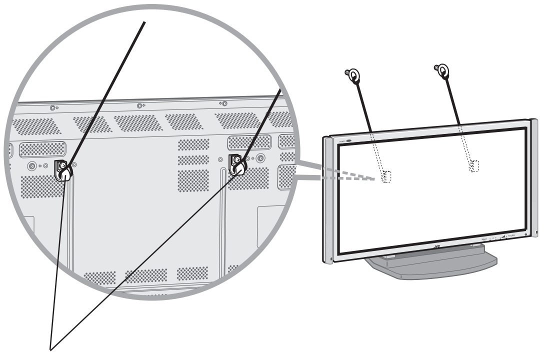
SPACE REQUIRED FOR INSTALLATION OF THE RECEIVER UNIT


100mm or more
100mm or more
100mm or more
100mm or more
100mm or more
100mm or more

1.3.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping to protect against emergencies such as earthquakes as well as accidents.

Fasten the supplied hook for tip fall prevention using the screws, also supplied, behind the display unit, and use them together with durable cords (to be purchased separately) to secure the unit to a robust part such as the wall surface or pillars.


The supplied hook for tipfall prevention

1.4 PRECAUTIONS REGARDING PDP

1.4.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the display unit, pressure exerted on the internal PDP (Plasma Display Panel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

(1) Avoid vibrations and impacts
The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(2) Do not place equipment horizontally
Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.
During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.
For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.4.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, “burn-in” may occur when a same image is continuously displayed over an extended period of time.

As Tthis may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.

As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.

Burn-in does not occur in the case of animated images.

When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts. This is not a defect but is because due to the discharge surface of the lighted portion has becomebeing relatively activated and its luminance higher than the unlighted parts.

1.4.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to glitchescause malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.4.4 OPTICAL FILER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).

Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.

As Tthe filter surface is fragile., Ddo not scratch or hit it with hard materials.

1.4.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

HIGH-DEFINITION IMAGE TECHNOLOGY (DIST), High Quality Sound Technology (DD)

DIST (Digital Image Scaling Technology)	Employs an interpolation method that doubles the scanning lines to realize 480-line flicker-free picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.
DD (Direct Drive)	Acoustic device that is accomplished through the interfacing of computer simulation and the acoustic technology that we have developed over the years. Attain wide and spontaneous acoustic field, real normal sound images that allows enjoyment of the realistic sensation of reserved seats, from any audience seats.

2.1.1 MAIN FUNCTION

DIGITAL VNR	The DIGITAL VNR function cuts down the amount of noise in original picture. There are three function settings of AUTO,MIN and MAX.
Super DigiPure	This function uses the latest technology to give viewer a natural looking picture. It consist of DigiPure and picture motion compensation function.
MOVIE THEATRE	This function displays a cinema film picture more smoothly and naturally on the screen.
COLOUR MANAGEMENT	This function ensures dull colours are compensated to produce natural hues.
Sleep Timer	Setting for situations such as falling asleep while watching TV, and for prevention against forgetting to turn off the TV. The power supply of the TV will be cut off automatically when the time exceeds the set up timing (maximum 2 hours).
3D SOUND function	This function makes the speaker sounds like in a wider ambience.
Teletext function	The teletext broadcast can be viewed and the teletext pages can be stored in memory.
T-V LINK function	This function make a VCR could automatically download the data or image from the TV, and turn on the TV to view the image when it playing.

2.1.2 ASPECT CONTROL

The screen size can be changed according to the picture aspect ratio.

ZOOM function	Desired screen size (AUTO/REGULAR / PANORAMIC / 14:9 ZOOM / 16:9 ZOOM / 16:9 ZOOM SUBTITLE / FULL) can be selected.

2.1.3 MULTI-SCREEN FUNCTION

Twin-pictures / PIP function	With the function, two pictures can be displayed at the same time (Twin pictures mode and Picture in picture mode).
Multi-picture function	With this function, one of multi-picture (12 pictures and 4 pictures) can be displayed at the same time.
Freeze function	The images that are currently seen can be viewed on the memo screen (still picture). It is convenient for taking down notes like application address and recipe of cooking program etc, while enjoying the current program.

2.2 TECHNICAL INFORMATION

2.2.1 PDP STRUCTURE AND CHARACTERISTIC

This unit (Display Unit) uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.2.2 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.
One pixel is composed of 3 RGB cells, with cell pitch of 0.36mm (1 pixel 1.08mm) horizontally and 1.08mm vertically.
The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.
One cell size is 0.36mm horizontally and 1.08mm vertically.

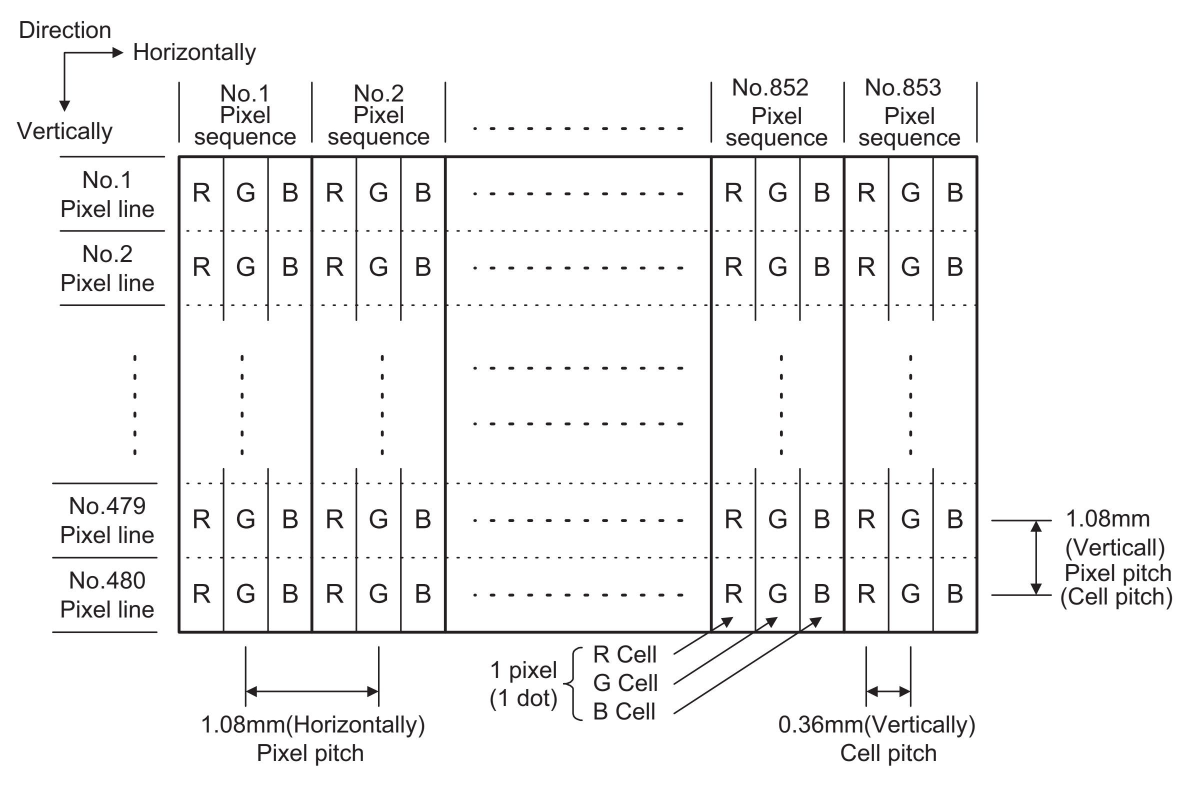

Direction
Horizontally
Vertically
No.1 Pixel sequence
No.2 Pixel sequence
No.852 Pixel sequence
No.853 Pixel sequence
No.1 Pixel line
No.2 Pixel line
No.479 Pixel line
No.480 Pixel line
R G B R G B
1.08mm (Verticall) Pixel pitch (Cell pitch)
1 pixel (1 dot)
R Cell
G Cell
B Cell
1.08mm(Horizontally) Pixel pitch
0.36mm(Vertically) Cell pitch

Fig.1

2.2.3 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.
There are 2 types of Pixel defects, [Bright Dot Defects] and [Dark Dot Defects], as defined respectively in the following:

(1) Bright Dot Defects

Bright dot defect is a pixel cell that lights or blinks though it should not light.
The presence of bright dot defects can be confirmed by inputting a full black signal (pattern).

(2) Dark Dot Defects

Dark dot defect is a pixel cell that does not light, blinks, or lights twice as brightly as the pixel cell should light, though it should light.
The presence of dark dot defects can be confirmed by inputting a 100% full white signal (pattern).

2.3 MAIN CPU FUNCTIONAL TABLE (RECEIVER UNIT)

Pin No.	Terminal Name	Port Name	I/O	Remark
1	TCK	TCK	I	
2	TMS	TMS	I	
3	TDI	TDI	I	
4	TDO	TDO	O	
5	REMOCON	P2.8	I/O	
6	KEY1	P2.9	I/O	
7	KEY2	P2.10 (NOR/INST)	I/O	
8	KEY3	P2.11	I/O	
9	TV_LINK	P2.12	I/O	
10	POWER	P2.13	I/O	
11	PROTECT	P2.14	I/O	
12	POWERG	P2.15	I/O	
13	VSS33	VSS33	I	GND
14	VDD33	VDD33	I	3.3V
15	TV_LINK OUT	P4.5	O	
16	A20	A20	O	
17	A19	A19	O	
18	A18	A18	O	
19	A17	A17	O	
20	VSS25	VSS25	I	GND
21	VDD25	VDD25	I	2.5V
22	A16	A16	O	
23	A8	A8	O	
24	A7	A7	O	
25	A9	A9	O	
26	A6	A6	O	
27	A5	A5	O	
28	A10	A10	O	
29	A11	A11	O	
30	A12	A12	O	
31	VSS33	VSS33	I	GND
32	VDD33	VDD33	I	3.3V
33	A4	A4	O	
34	A3	A3	O	
35	A2	A2	O	
36	A1	A1	O	
37	A0	A0	O	
38	A13	A13	O	
39	A14	RAS/A14	O	
40	A15	CAS/A15	O	
41	VSS33	VSS33	I	GND
42	VDD33	VDD33	I	3.3V
43	CLK	MEMCLK	O	
44	CSSDRAM	CSSDRAM	O	
45	CKE	CLKEN	O	
46	CSROM	CSROM	O	
47	RD	RD	O	
48	UDQM	UDQM	O	
49	LDQM	LDQM	O	
50	WR	WR	O	
51	D15	D15	I/O	
52	VSS33	VSS33	I	GND
53	VDD33	VDD33	I	3.3V
54	D7	D7	I/O	
55	D0	D0	I/O	
56	D14	D14	I/O	
57	D8	D8	I/O	
58	D6	D6	I/O	
59	D1	D1	I/O	
60	VSS33	VSS33	I	GND
61	VDD33	VDD33	I	3.3V
62	D13	D13	I/O	
63	D9	D9	I/O	
64	D5	D5	I/O	
65	D2	D2	I/O	
66	D12	D12	I/O	
67	D10	D10	I/O	
68	VSS33	VSS33	I	GND
69	VDD33	VDD33	I	3.3V
70	D4	D4	I/O	
71	D3	D3	I/O	
72	D11	D11	I/O	
73	RESET-IN	RSTIN	I	
74	SCL0	P3.0	I/O	
75	SDA0	P3.1	I/O	
76		P3.2	I/O	
77	PIX_CLK	P3.3	I/O	
78	AMP_MUTE	P3.4	I/O	
79	AUDIO_MUTE	P3.5	I/O	
80	READY	P3.6	I/O	
81	STATUS	P3.7	I/O	
82	DATA	P3.8	I/O	
83	CLK	P3.9	I/O	
84	VSS33	VSS33	I	GND
85	VDD33	VDD33	I	3.3V
86	VSS25	VSS25	I	GND
87	VDD25	VDD25	I	2.5V
88	TXD0	TXD0	I/O	
89	RXD0	RXD0	I/O	
90	IE-MUTE	P3.12	I/O	
91	AA_SDA	P3.13	I/O	
92	AA_SCL	P3.15	I/O	
93	YS2	P5.14(YS2)	I/O	
94	HP_DET	P5.15	I/O	
95	NC	TRIG_IN	I/O	
96	NC	TRIG_OUT	I/O	
97	IIC_FREE	P6.2	I/O	
98	SCL1	P6.3	I/O	
99	SCA1	P6.4	I/O	
100	MSP_RESET	P6.5	I/O	
101	SDA2	P6.6	I/O	
102	VSYNC	VSYNC	O	
103	HSYNC	HSYNC	O	
104	NC	COR/RSTOUT	O	
105	YS	BLANK	O	
106	VDD33	VDD33	I	3.3V
107	VSS33	VSS33	I	GND
108	XTAL1	XTAL1	I	
109	XTAL2	XTAL2	O	
110	VSSA	VSSA	I	GND
111	VSSD	VDDA	I	
112	R	R	O	
113	G	G	O	
114	B	B	I	
115	VSSA	VSSA	I	GND
116	VSSD	VDDA	I	2.5V
117	CVBS2A	CVBS2	I	
118	VSSA	VSSA	I	GND
119	VDDA	VDDA	I	
120	CVBS1B	CVBS1B	I	
121	CVBS1A	CVBS1A	I	
122	VSSA	VSSA	I	GND
123	VDDA	VDDA	I	2.5V
124	AFC1	P5.0	I	
125	AFC2	P5.1	I	
126	AGC	P5.2	I	
127	KEYP2	P5.3(KEYP2)	I	
128	TMODE	TMODE	I	

2.4 DISASSEMBLY PROCEDURE [DISPLAY UNIT]

CAUTION:

- When exchanging parts etc. with the front side (PDP side) facing down, please place a protection sheet below before starting, so as to prevent scratches on the front side.

2.4.1 REMOVING THE REAR COVER (Fig.1)

(1) Remove the power cord / system cable / speaker cord.
(2) Remove the 14 screws [A] and the 6 screws [B], and remove the REAR COVER.
(3) Remove the 1 screw [C], and remove the INSULATION SHEET.

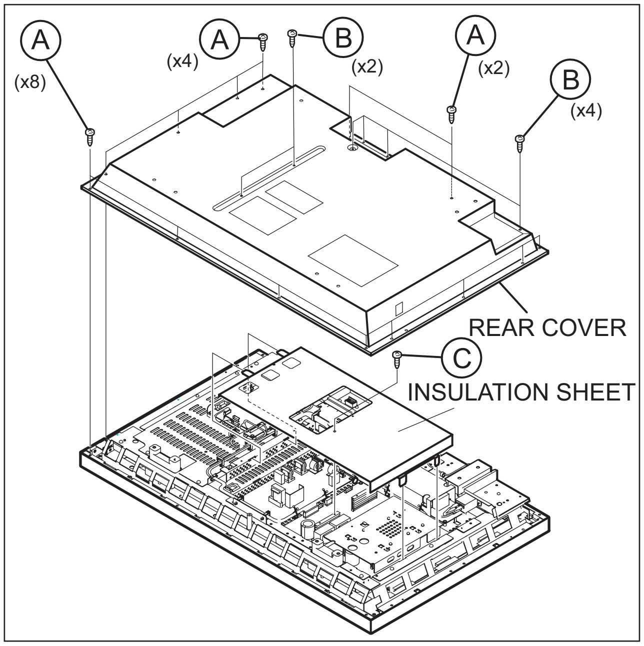


Fig.1

2.4.2 REMOVING THE SPEAKER TERMINAL PWB (Fig.2)

- Remove the REAR COVER.

(1) Remove the 2 screws [D], and withdraw the TERMINAL COVER.
(2) Remove the 6 screws [E], and remove the SPEAKER TERMINAL PWB.

NOTE:

- Disconnect the connector [CN60SP] from the SPEAKER TERMINAL PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.3 REMOVING THE AC INLET COVER (Fig.2)

- Remove the REAR COVER.

(1) Remove the 2 screws [F] and 1 screw [G], and withdraw the AC INLET COVER.

NOTE:

- Disconnect the connector [CN0PW] from the LINE FILTER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

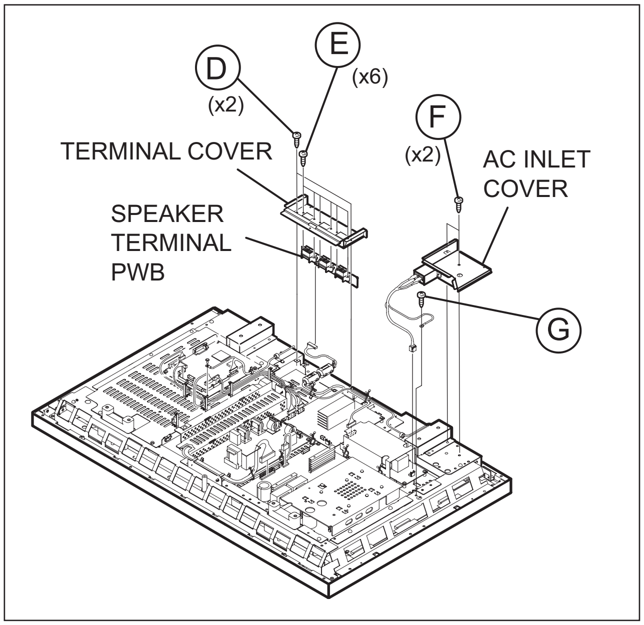


Fig.2

2.4.4 REMOVING THE LINE FILTER PWB (Fig.3)

- Remove the REAR COVER.
- Remove the AC INLET COVER.

(1) Remove the 6 screws [H], and remove the LINE FILTER PWB together with the FILTER SHIELD.

NOTE:

- Disconnect the connector [CN00P] from the LINE FILTER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.5 REMOVING THE AUDIO PWB (Fig.3)

- Remove the REAR COVER.
- Remove the TERMINAL COVER and SPEAKER TERMINAL PWB.

(1) Remove the 4 screws [I], and remove the AUDIO PWB.

NOTE:

- Disconnect the connectors [CN60SP], [CN600K], [CN60CA], [CN60CE], [CN60CF] from the AUDIO PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.6 REMOVING THE SYSTEM POWER PWB (Fig.3)

- Remove the REAR COVER.
- Remove the INSULATION SHEET.

(1) Remove the 4 screws [J], and remove the SYSTEM POWER PWB.

NOTE:

- Disconnect the connectors [CN900J], [CN900P], [CN90CB], [CN90CA], [CN900K] from the SYSTEM POWER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.7 REMOVING THE PDP POWER PWB (Fig.3)

- Remove the REAR COVER and INSULATOR SHEET.
  (1) Remove the 6 screws [K], and remove the PDP POWER PWB.

NOTE:

- Disconnect the connectors [CN00J], [CN0AU], [CN0AT], [CN0AV] from the PDP POWER PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.8 REMOVING THE CHASSIS BASE (Fig.3)

- Remove the REAR COVER and INSULATION SHEET.
- Remove the TERMINAL COVER and SPEAKER TERMINAL PWB.
- Remove the AC INLET COVER.
- Remove the FILTER SHIELD and LINE FILTER PWB.
- Remove the AUDIO PWB.
- Remove the SYSTEM POWER PWB.
- Remove the PDP POWER PWB.
  (1) Remove the 4 screws [L] and 5 screws [M], and remove the CHASSIS BASE.

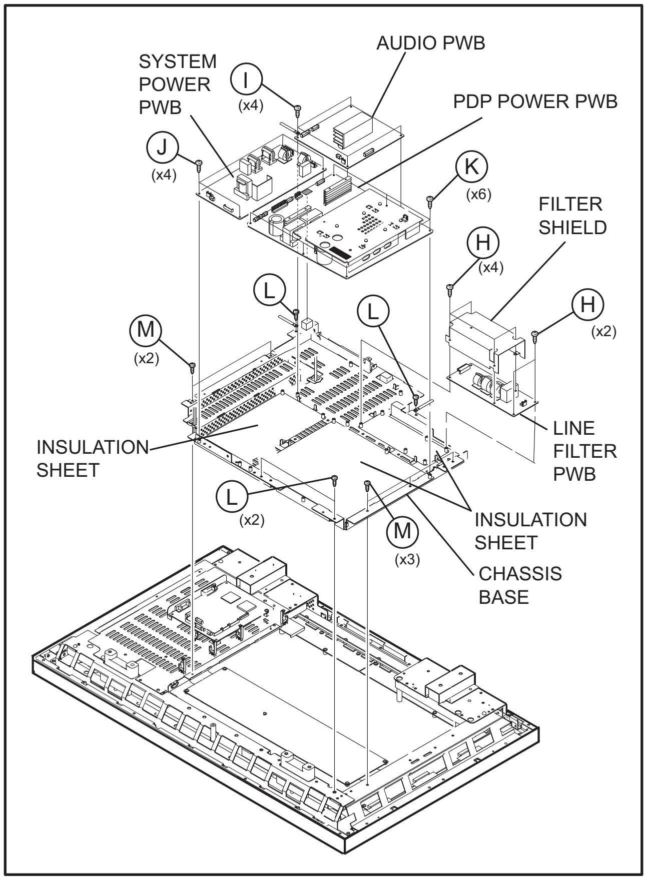

SYSTEM POWER PWB
I
(x4)
AUDIO PWB
PDP POWER PWB
J
(x4)
K
(x6)
FILTER SHIELD
H
(x4)
L
L
H
(x2)
M
(x2)
INSULATION SHEET
LINE FILTER PWB
L
(x2)
M
(x3)
INSULATION SHEET
CHASSIS BASE

Fig.3

2.4.9 REMOVING THE DISPLAY INTERFACE PWB (Fig.4)

- Remove the REAR COVER.
  (1) Remove the 1 screw [N], 2 screws [O], 2 screws [P], and remove the DISPLAY INTERFACE PWB.

NOTE:

- Disconnect the connectors [CN0AH], [CN0CB], [CN0CD], [CN0CC], [CN0AV], [CN0CF], [CN0CE] from the DISPLAY INTERFACE PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

2.4.10 REMOVING THE INTERFACE PWB BASE (Fig.4)

- Remove the REAR COVER.
- Remove the AC INLET COVER.
- Remove the CHASSIS BASE (with each PWB attached to CHASSIS BASE).
- Remove the DISPLAY INTERFACE PWB.
  (1) Remove the 3 screws [Q] and 3 screws [R], and remove the INTERFACE PWB BASE.

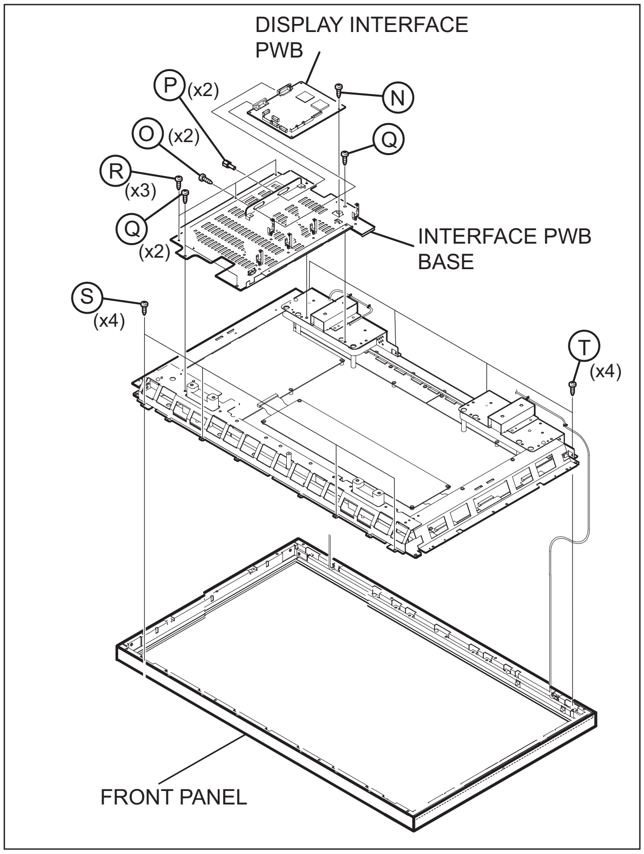

DISPLAY INTERFACE PWB
P
(x2)
N
O
(x2)
Q
R
(x3)
Q
(x2)
INTERFACE PWB BASE
S
(x4)
T
(x4)
FRONT PANEL

Fig.4

2.4.11 REMOVING THE PDP (PANEL) UNIT (Fig.4), (Fig.5)

- Remove the REAR COVER.
- Remove the AC INLET COVER.
- Remove the CHASSIS BASE (with each PWB attached to the CHASSIS BASE).

NOTE:

- Disconnect the connectors [CN0AU] and [CN0AT] from the PDP POWER PWB.
- Disconnect the connectors [CN0AH], [CN0CB], [CN0CD], [CN0CC], [CN0AV], [CN0CF], [CN0CE] from the DISPLAY INTERFACE PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

(1) Remove the 4 screws [U], and remove the 2 pieces of BOTTOM BRACKET, TOP BRACKET and 2 pieces of SIDE BRACKET.

(2) Remove the 8 screws [V], and remove the 2 pieces of BACK FRAME (BOTTOM) and 2 pieces of BACK FRAME (TOP).

(3) Remove the 4 screws [S] and 4 screws [T].

(4) Lift the PDP UNIT upright and remove it with enough care not to impose shock to the PDP UNIT.

CAUTION:

- Two or more people are required to remove the PDP UNIT.
- The gas pouring port is covered with the protection material. In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

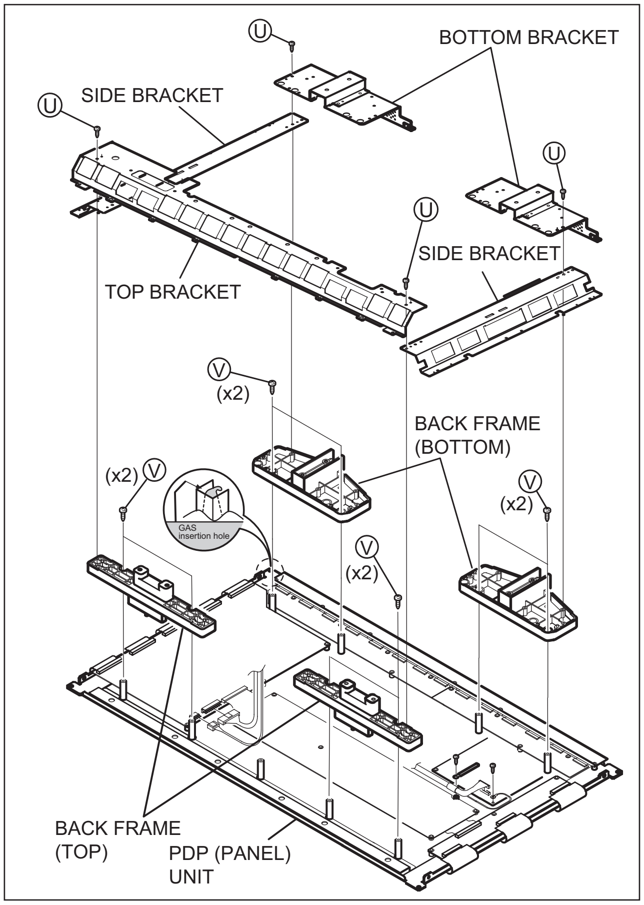

U
BOTTOM BRACKET
U
SIDE BRACKET
U
U
SIDE BRACKET
TOP BRACKET
V
(x2)
BACK FRAME
(BOTTOM)
(x2) V
V
(x2)
GAS
insertion hole
V
(x2)
BACK FRAME
(TOP)
PDP (PANEL)
UNIT

Fig.5

2.4.12 REMOVING THE INNER CASE and FRONT FILTER (Fig.6)

- Remove the REAR COVER.
- Remove the PDP UNIT (with each PWB and CHASSIS BASE affixed on the PDP UNIT).

NOTE:

- Disconnect the connectors [CN0CD] and [CN0CC] from the DISPLAY INTERFACE PWB.
- It is advisable to take note of the connecting location (connector number) of the removed connectors.

(1) Remove the 1 screw [W], 4 screws [X], 3 screws [Y] and remove the INNER CASE.

(2) Remove the FRONT FILTER.

CAUTION:

- The INNER CASE is attached with the FRONT FILTER (made of glass). Be careful not to impose shock to it.
- Remove the FRONT FILTER with enough care not to damage it.

2.4.13 REMOVING THE DISPLAY LED PWB and DISPLAY SWITCH PWB (Fig.6)

- Remove the PDP UNIT.
- Remove the INNER CASE.

(1) Remove the 2 screws [Z], and remove the DISPLAY LED PWB.

(2) Remove the 2 screws [a], and remove the CONTROL KNOB.

(3) Remove the 2 screws [b], and remove the DISPLAY SWITCH PWB.

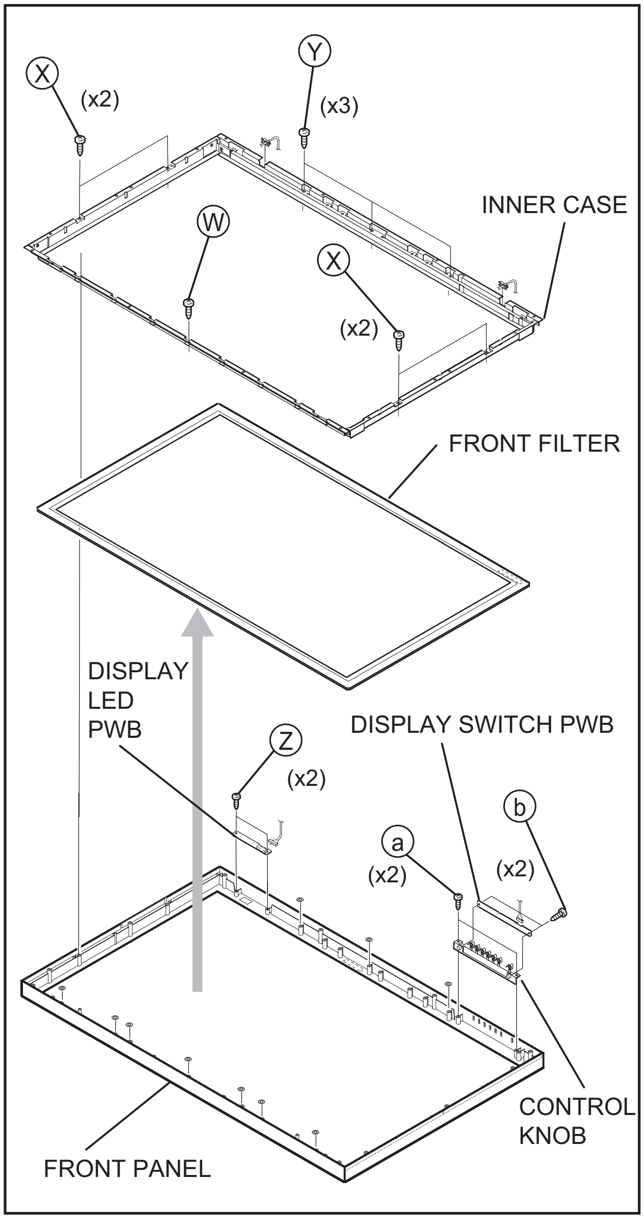

X
(x2)
Y
(x3)
INNER CASE
W
X
(x2)
FRONT FILTER
DISPLAY
LED
PWB
DISPLAY SWITCH PWB
Z
(x2)
b
a
(x2)
(x2)
CONTROL
KNOB
FRONT PANEL

Fig.6

2.5 DISASSEMBLY OF PROCEDURE [RECEIVER UNIT]

2.5.1 REMOVING THE TOP COVER

(1) Remove the 4 screws [A] on the both left and right sides.
(2) Remove the 3 screws [B] on the rear side.
(3) Lift upwards and withdraw the TOP COVER.

2.5.2 REMOVING THE FRONT PANEL

- Remove the TOP COVER.

(1) Remove the 1 screw [C] and 1 screw [D].
(2) Disengage the 2 claws [E] on the both left and right sides.
(3) Disengage the 2 claws [F] on the bottom side.
(4) Withdraw the FRONT PANEL in a front direction.

2.5.3 REMOVING THE DAMPER (INSIDE FRONT PANEL)

- Remove the TOP COVER.
- Remove the FRONT PANEL.

(1) Remove the 1 screw [G], and remove the DAMPER.

2.5.4 REMOVING THE FRONT CONTROL PWB

- Remove the TOP COVER.
- Remove the FRONT PANEL.

(1) Remove the 4 screws [H], and remove the FRONT CONTROL PWB.

2.5.5 REMOVING THE REAR COVER

- Remove the TOP COVER.

(1) Remove the 2 screws [I], and withdraw the AC INLET.
(2) Remove the 2 screws [J] and the 2 screws [K], and withdraw the display output terminal.
(3) Remove the 6 screws [L], and withdraw the video/audio terminal.
(4) Remove the 2 screws [M], 3 screws [N], 1 screw [O], and withdraw the REAR COVER in a rear direction.

2.5.6 REMOVING THE DIST PWB, DIST RELAY PWB, MI-COM PWB, MI-COM INTERFACE PWB, AV JACK PWB, AV SW PWB, and SUB TUNER PWB.

- Remove the TOP COVER
- Remove the REAR COVER.

(1) Remove the 1 screw [P], and remove the PB HOLDER.
(2) Remove the 2 screws [Q] and 2 screws [R].
(3) Lift upwards and withdraw the SUPPORT BRACKET, the DIST PWB, and the DIST RELAY PWB.
(4) Remove the 5 screws [S] and 1 screw [T], and remove the SUPPORT BRACKET.
(5) Pull right and left and remove the DIST PWB and the DIST RELAY PWB.
(6) Lift upwards and withdraw the MI-COM PWB and the MI-COM INTERFACE PWB.
(7) Pull right and left and remove the MI-COM PWB and the MI-COM INTERFACE PWB.
(8) Remove the 3 screws [U], and remove the TERMINAL BRACKET.
(9) Lift upwards and withdraw the AV JACK PWB and the AV SW PWB.
(10) Pull right and left and remove the AV JACK PWB and the AV SW PWB.
(11) Lift upwards and withdraw the SUB TUNER PWB.

2.5.7 REMOVING THE MAIN PWB AND RECEIVER POWER PWB

- Remove the TOP COVER
- Remove the REAR COVER.
- Remove the DIST PWB, DIST RELAY PWB, MI-COM PWB, MI-COM INTERFACE PWB, AV JACK PWB, AV SW PWB, and SUB TUNER PWB.

(1) Remove the 2 screws [V] and 2 screws [W]. Then, lift upwards and withdraw the MAIN PWB.
(2) Remove the 6 screws [X], and remove the MI-COM HOLDER and the RECEIVER POWER PWB.

2.5.8 REMOVING THE AC INLET

- Remove the TOP COVER
- Remove the REAR COVER.

(1) Remove the 1 screw [Y], and remove the AC INLET.

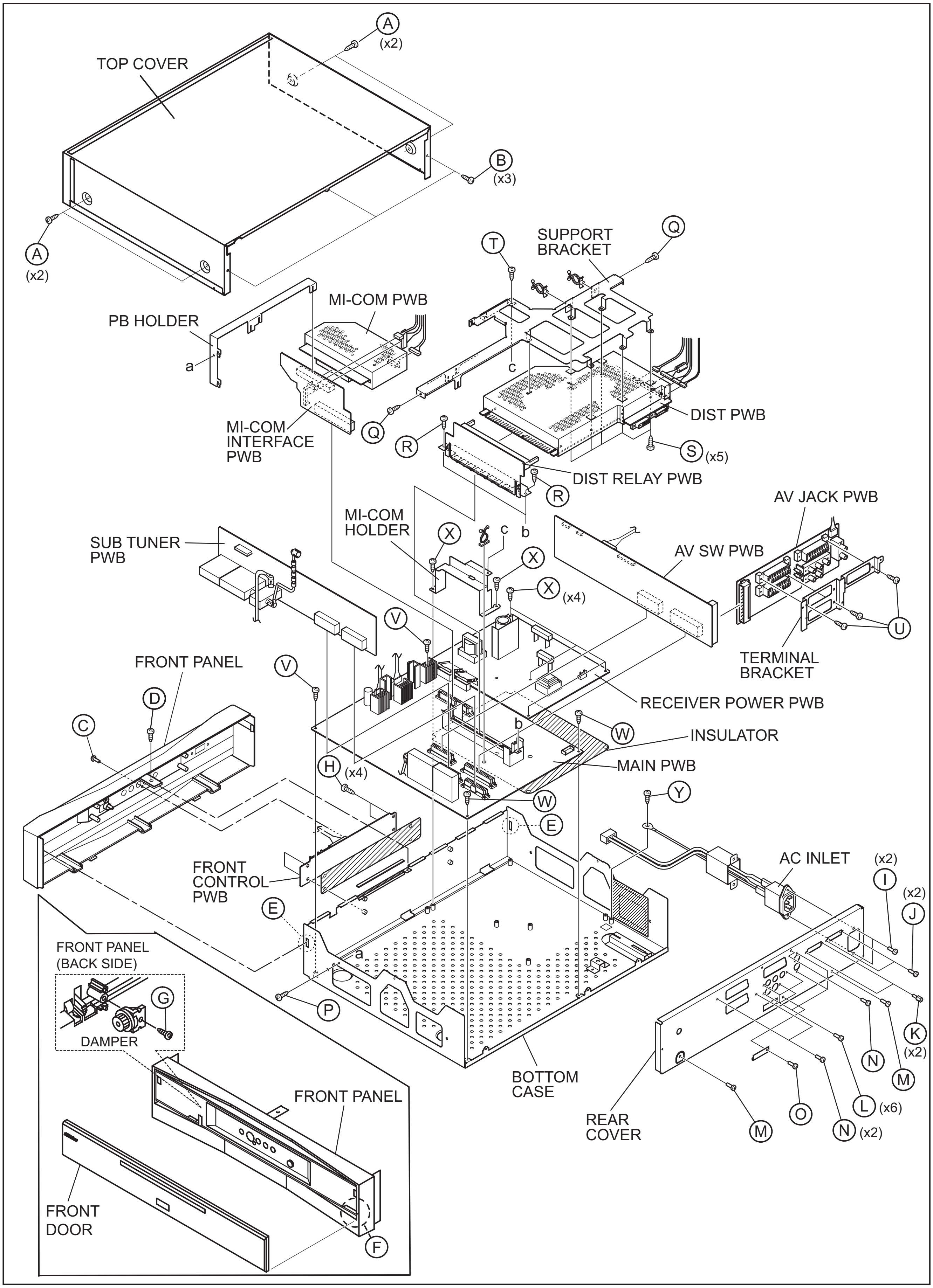

A
(x2)
TOP COVER
B
(x3)
A
(x2)
SUPPORT
BRACKET
T
Q
MI-COM PWB
PB HOLDER
a
c
DIST PWB
Q
MI-COM
INTERFACE
PWB
R
S
(x5)
DIST RELAY PWB
R
AV JACK PWB
MI-COM
HOLDER
X
c
b
SUB TUNER
PWB
X
AV SW PWB
X
(x4)
U
TERMINAL
BRACKET
V
FRONT PANEL
V
D
RECEIVER POWER PWB
C
b
W
INSULATOR
MAIN PWB
H
(x4)
W
Y
E
AC INLET
(x2)
I
(x2)
J
FRONT
CONTROL
PWB
E
a
FRONT PANEL
(BACK SIDE)
G
P
DAMPER
K
(x2)
N
M
FRONT PANEL
BOTTOM
CASE
L
(x6)
REAR
COVER
O
M
N
(x2)
FRONT
DOOR
F

Fig.7

2.6 REPLACEMENT OF MEMORY IC

This unit uses the nonvolatile memory IC.
The memory IC memories data for video and deflection circuits. To replace the memory IC without the data written, malfunctions might occurred while power is on, and the normal image might not appear. When replacing the memory IC, be sure to use the IC written with the initial values of data.

2.6.1 PROCEDURE FOR REPLACING THE MEMORY IC

(1) Switch the power off and unplug the power cord from the wall outlet.

(2) Replacing the memory IC. [Be sure to use the IC written with the initial values of data]

(3) Plug the power cord into the wall outlet and switch the power on.

(4) Check and setting of SYSTEM CONSTANT SET

  a) Press the [INFORMATION] key and [MUTING] key on the remote control unit simultaneously.
  The SERVICE MENU screen will be displayed. (See Fig.1)

  b) In the SERVICE MENU, press the [INFORMATION] key and [MUTING] key simultaneously.
  Then, the SYSTEM CONSTANT SET screen will be displayed. (See FIg.2)

  c) Check whether the setting value of the SYSTEM CONSTANT SET is the same as these indicated in Table 1.

  d) Press the [INFORMATION] key twice to return to the normal screen.

(5) Receive channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels.

(6) User setting
Memories the user setting items.
The [SETTINGS OF THE LAST MEMORY FACTORY SHIPMENT] setting is as next page.

(7) Setting of SERVICE MENU
Check the setting items in the SERVICE MENU, set if necessary.
For setting method, please refer to the [ADJUSTMENT PREPARATION] to [ADJUSTMENT PROCEDURE] of ADJUSTMENTS section.

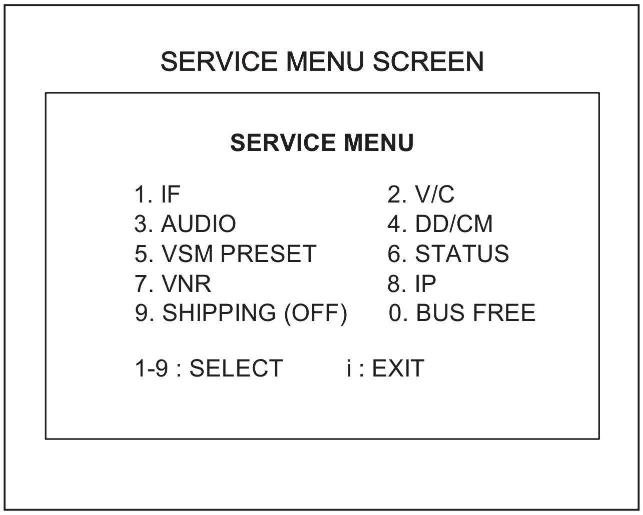
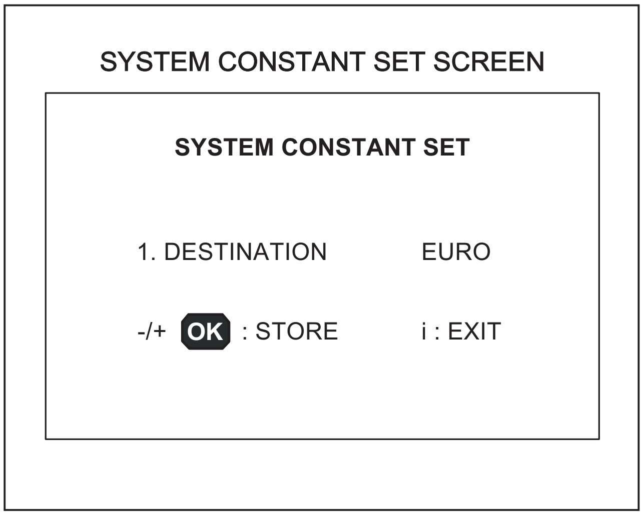


Fig.1



1. DESTINATION EURO

Fig.2

2.6.2 SETTING OF THE SYSTEM CONSTANT SET

Setting item	Setting content	Setting value
DESTINATION	ASIA / EURO	EURO

Table 1

2.6.3 SETTINGS OF THE LAST MEMORY FACTORY SHIPMENT

Setting item	Setting value
POWER	OFF
SHIPPING CHANNEL	PR1
PRESET CHANNEL	Refer to OPERATING INSTRUCTIONS
VOLUME	10
PICTURE SETTING	
PICTURE MODE	BRIGHT
CONTRAST	Center
BRIGHT	Center
SHARP	Center
COLOUR	Center
HUE	Center
COLOUR TEMP.	NORMAL
PICTURE FEATURES	
DIGITAL VNR	AUTO
Super DigiPure	AUTO
COLOUR SYSTEM	TV: Depend on PR/CH EXT: AUTO
MOVIE THEATRE	AUTO
4:3 AUTO ASPECT	PANORAMIC
COLOUR MANAGEMENT	ON
PIP	Right below

Setting item	Setting value
SOUND SETTING	
STEREO/I·II	Stereo sound
BASS	Center
TREBLE	Center
BALANCE	Center
SPEAKER	ON
BBE	OFF
3D SOUND	OFF
SUBWOOFER	LOW
HEADPHONE	
VOLUME	20
TV SPEAKER	OFF
OUTPUT	MAIN
EXT SETTING	
S-IN	EXT 2, 3, 5 : S-IN
ID LIST	---
DUBBING	EXT-1 --> EXT-2
FEATURES	
SLEEP TIMER	OFF
BLUE BACK	ON
CHILD LOCK	
SET ID NO	0000
DECODER (EXT-2)	OFF
SNOW NOISE	OFF
INSTALL	
LANGUAGE	ENGLISH
AUTO PROGRAM	FRANCE
EDIT / MANUAL	EDIT

Table 2

2.6.4 VSM PRESET SETTING

Item No.	Item	Variable range	Setting value					
			PICTURE MODE			COLOUR TEMP.		
			BRIHGT	STD	SOFT	COOL	NORMAL	WARM
1	CONT	-16~16	9	0	-13	-	-	-
2	BRIGHT	-16~16	0	0	0	-	-	-
3	SHARP	-16~16	6	0	-2	-	-	-
4	COLOUR	-16~16	2	0	-1	-	-	-
5	TINT	-16~16	0	0	0	-	-	-
1	WDR R	-128~127	-	-	-	-4	0	8
2	WDR G	-128~127	-	-	-	0	0	0
3	WDR B	-128~127	-	-	-	8	0	-1

2.6.4.1 Setting of VSM PRESET

(1) Enter "5.VSM PRESET" from the SERVICE MENU.
(2) Press the [OK] key to select BRIGHT/STD/SOFT/COOL/NORMAL/WARM mode.
(3) Select the setting item using the [FUNCTION (UP/DOWN)] key.
(4) Set the value using the [FUNCTION (+/-)] key.
(5) Press the [OK] key to save the value.
(6) Press the [INFORMATION] key twice to return to the normal screen.

2.6.5 SERVICE MENU SETTING ITEMS

Setting item	Setting value
1.IF	1.VCO 2.ATT ON/OFF
2. V/C	1.CUT OF R 2.CUT OF G 3.CUT OF B 4.DRIVE R 5.DRIVE G 6.DRIVE B 7.TWIN HI R 8.TWIN HI B 9.BRIGHT 10.CONT 11.TWN BRG 12.TWN CNT 13.COLOUR 14.HUE 15.BY GAIN 16.TWN COL 17.TWN TNT 18.B OF MR 19.B OF MB 20.B OF SR 21.B OF SB S01 ~ S97 A01 ~ A17 PDA01 ~ PDA12
3.AUDIO **(Do not adjust)**	1.ERROR LIMIT 2.A2 ID THR 3.Q-PEAK 4.SOUND LEVEL
4.DD/CM	DDT01 ~ DDT34 CMT01 ~ CMT57 DDP01 ~ DDP37 CMP01 ~ CMP03 OSD-G OSD-B OSD-R
5.VSM PRESET	PICTURE MODE 1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.TINT
	COLOUR TEMP. 1.WDR R 2.WDR G 3.WDR B
6.STATUS	**(Do not adjust)**
7.VNR **(Do not adjust)**	1.MYLV 2.ONMVF 3.MYCOR 4.MYGA 5.YEGON 6.YEGL 7.YLTL 8.MCLV 9.MCGA 10.MCCOR 11.CLTL 12.YNGA 13.COR_OF 14.LPF_OF 15.YCTL 16.YNCL 17.YNCON
8.IP **(Do not adjust)**	PPA001 ~ PPA008 PPB001 ~ PPB036 PPC001 ~ PPC007 PPD001 ~ PPD016 ADS001 ~ ADS034 IPA001 ~ IPA120 IPB001 ~ IPB088 IPC001 ~ IPC044 IPD001 ~ IPD058
9.SHIPPING(OFF)	**(Do not use under the adjustment)**

Table 3

2.7 REPLACEMENT OF CHIP COMPONENT

2.7.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

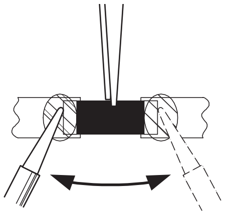
2.7.2 SOLDERING IRON

(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

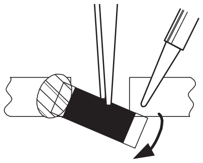
2.7.3 REPLACEMENT STEPS

1. How to remove Chip parts
[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

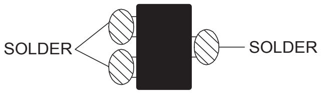


(2) Shift with the tweezers and remove the chip part.

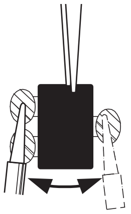


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

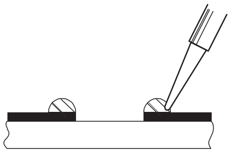


Note :

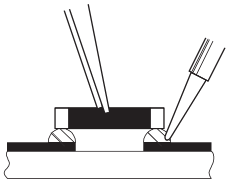
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts
[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

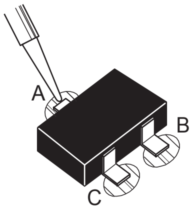


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

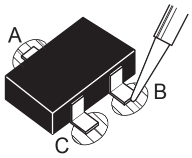


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 3
ADJUSTMENTS

3.1 ADJUSTMENT PREPARATION

(1) Prior to the following procedure, be sure to connect the receiver unit and the display unit.
(2) Adjustment of many Majority of the adjustment items for this unit is performed using the remote control.
(3) However, adjustment of some adjustment items is performed in the conventional way, i.e. with components on the boards.
(4) Ensure that the power supply is AC220V.
(5) Allow the set and the measuring devices to run for at least 30 minutes.
(6) Do not alter settings of items/preset values on the service screen that are not stated in this manual.
(7) Unless otherwise stated in the "ADJUSTMENT PROCEDURE" section, follow the settings for the features stated below using the remote control.

Setting item	Settings
PICTURE MODE	STANDARD
PICTURE adjustment	All center (00)
COLOUR TEMP.	NORMAL
DIGITAL VNR	AUTO
Super Digi Pure	AUTO
SOUND adjustment	All center (00)
ZOOM	FULL

3.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator)
- Remote control unit

3.3 MAIN PARTS LOCATIONS (RECEIVER UNIT)

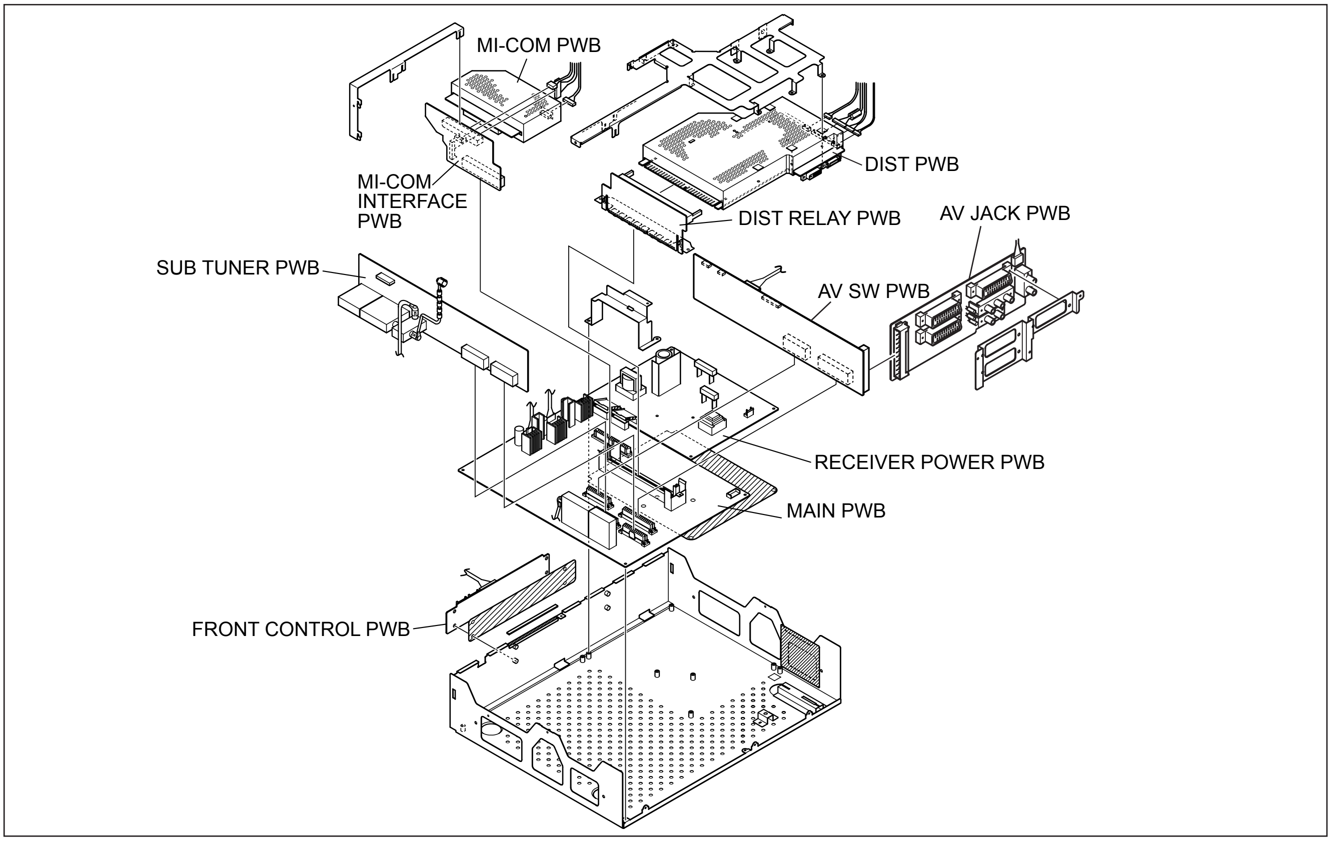

MI-COM PWB
DIST PWB
MI-COM INTERFACE PWB
DIST RELAY PWB
AV JACK PWB
SUB TUNER PWB
AV SW PWB
RECEIVER POWER PWB
MAIN PWB
FRONT CONTROL PWB

Fig.1

3.4 MAIN PARTS LOCATIONS (DISPLAY UNIT)

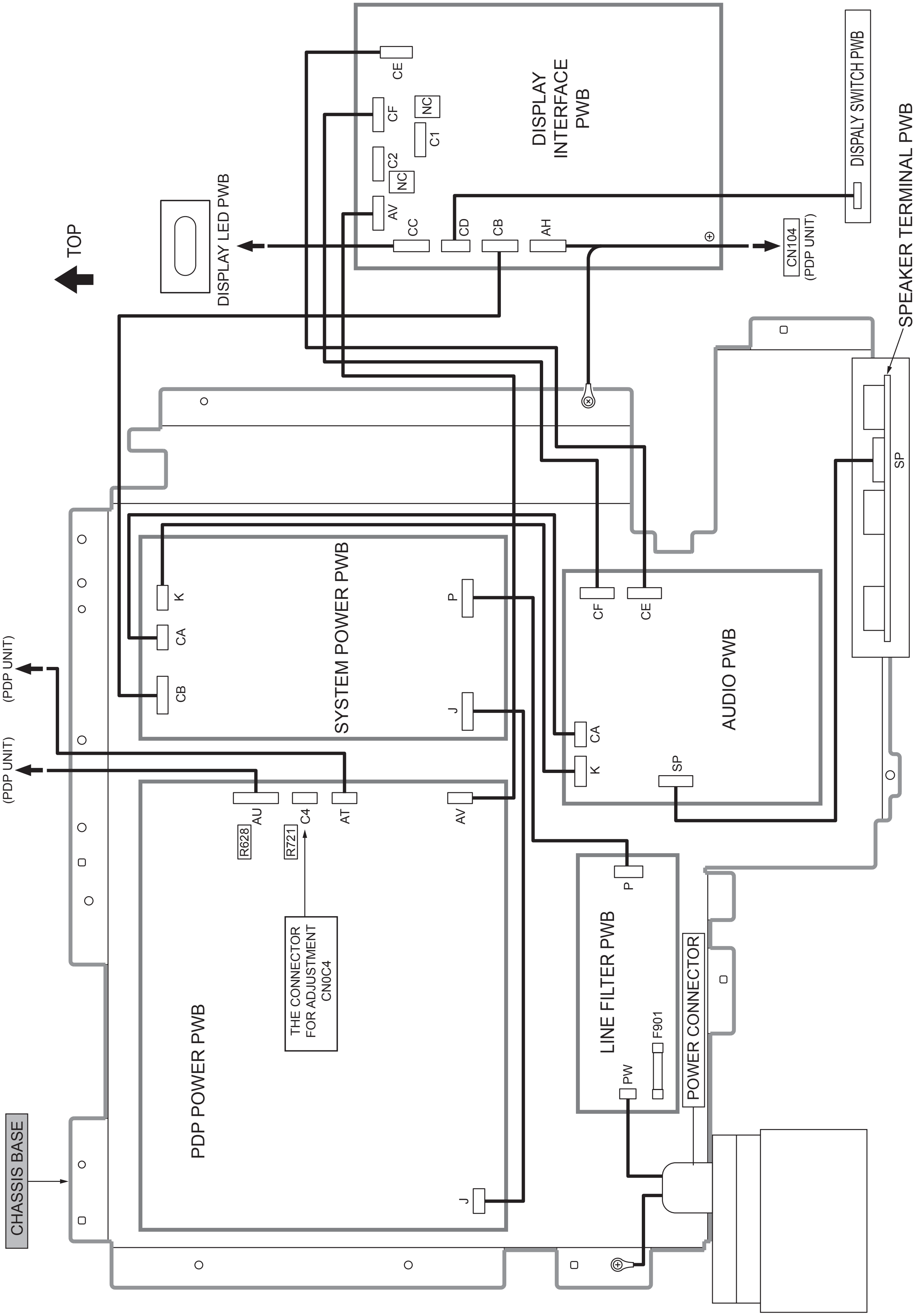

DISPLAY INTERFACE PWB
CE
CF
NC
C1
C2
NC
AV
CC
CD
CB
AH
DISPALY SWITCH PWB
DISPLAY LED PWB
TOP
CN104
(PDP UNIT)
SPEAKER TERMINAL PWB
SP
SPEAKER TERMINAL
SYSTEM POWER PWB
K
CA
CB
P
J
AUDIO PWB
CF
CE
CA
K
SP
CN302
(PDP UNIT)
CN301
(PDP UNIT)
AU
C4
AT
AV
R628
R721
THE CONNECTOR
FOR ADJUSTMENT
CN0C4
PDP POWER PWB
J
LINE FILTER PWB
P
F901
PW
POWER CONNECTOR
CHASSIS BASE

Fig.2

3.5 SERVICE MENU SCREEN

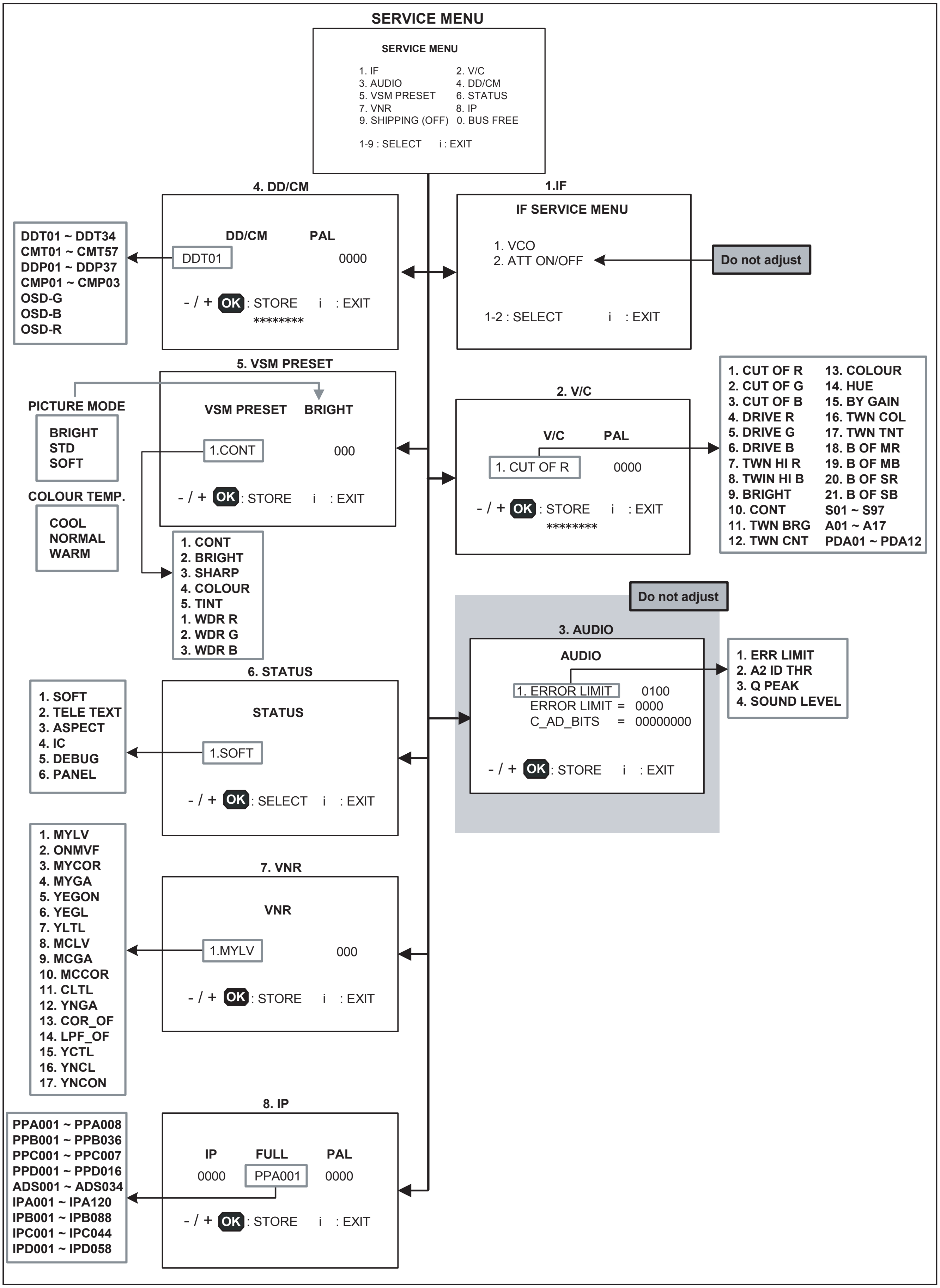
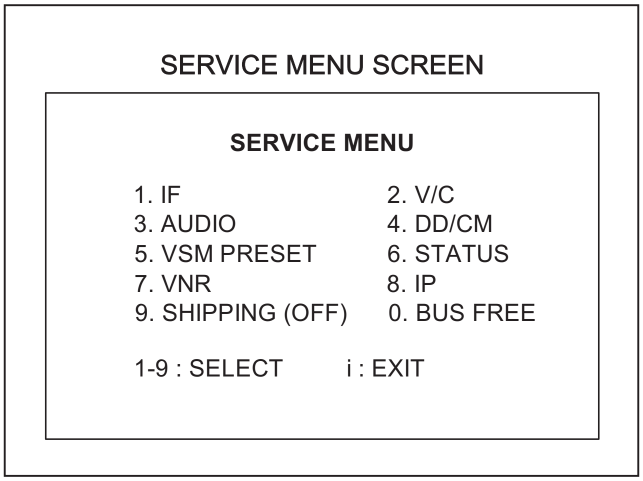

SERVICE MENU
SERVICE MENU
1. IF
2. V/C
3. AUDIO
4. DD/CM
5. VSM PRESET
6. STATUS
7. VNR
8. IP
9. SHIPPING (OFF)
0. BUS FREE
1-9 : SELECT
i : EXIT
4. DD/CM
DD/CM
PAL
DDT01
0000
- / + OK : STORE
i : EXIT
****
DDT01 ~ DDT34
CMT01 ~ CMT57
DDP01 ~ DDP37
CMP01 ~ CMP03
OSD-G
OSD-B
OSD-R
1.IF
IF SERVICE MENU
1. VCO
2. ATT ON/OFF
1-2 : SELECT
i : EXIT
Do not adjust
5. VSM PRESET
VSM PRESET
BRIGHT
1.CONT
000
- / + OK : STORE
i : EXIT
PICTURE MODE
BRIGHT
STD
SOFT
COLOUR TEMP.
COOL
NORMAL
WARM
1. CONT
2. BRIGHT
3. SHARP
4. COLOUR
5. TINT
1. WDR R
2. WDR G
3. WDR B
2. V/C
V/C
PAL
1. CUT OF R
0000
- / + OK : STORE
i : EXIT
****
1. CUT OF R
2. CUT OF G
3. CUT OF B
4. DRIVE R
5. DRIVE G
6. DRIVE B
7. TWN HI R
8. TWIN HI B
9. BRIGHT
10. CONT
11. TWN BRG
12. TWN CNT
13. COLOUR
14. HUE
15. BY GAIN
16. TWN COL
17. TWN TNT
18. B OF MR
19. B OF MB
20. B OF SR
21. B OF SB
S01 ~ S97
A01 ~ A17
PDA01 ~ PDA12
Do not adjust
3. AUDIO
AUDIO
1. ERROR LIMIT
0100
ERROR LIMIT = 0000
C_AD_BITS = 00000000
- / + OK : STORE
i : EXIT
1. ERR LIMIT
2. A2 ID THR
3. Q PEAK
4. SOUND LEVEL
6. STATUS
STATUS
1.SOFT
- / + OK : SELECT
i : EXIT
1. SOFT
2. TELE TEXT
3. ASPECT
4. IC
5. DEBUG
6. PANEL
7. VNR
VNR
1.MYLV
000
- / + OK : STORE
i : EXIT
1. MYLV
2. ONMVF
3. MYCOR
4. MYGA
5. YEGON
6. YEGL
7. YLTL
8. MCLV
9. MCGA
10. MCCOR
11. CLTL
12. YNGA
13. COR_OF
14. LPF_OF
15. YCTL
16. YNCL
17. YNCON
8. IP
IP
FULL
PAL
0000
PPA001
0000
- / + OK : STORE
i : EXIT
PPA001 ~ PPA008
PPB001 ~ PPB036
PPC001 ~ PPC007
PPD001 ~ PPD016
ADS001 ~ ADS034
IPA001 ~ IPA120
IPB001 ~ IPB088
IPC001 ~ IPC044
IPD001 ~ IPD058

Fig.3

3.6 BASIC OPERATION OF THE SERVICE MENU MODE [USING REMOTE CONTROL UNIT]

3.6.1 HOW TO ENTER THE SERVICE MENU MODE

(1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.4 will be displayed.
(2) When the Main Menu is displayed, press any key of the [1] to [0] key to enter the corresponding menu mode.
*Press any of the [1] to [0] keys before the Service Menu mode disappears.
(3) Select the service item using the [FUNCTION (UP/DOWN)] key.
(4) Set the value using the [FUNCTION (+/-)] key.
(5) Press the [OK] key to save the value.



SERVICE MENU SCREEN

SERVICE MENU

1. IF	2. V/C
3. AUDIO	4. DD/CM
5. VSM PRESET	6. STATUS
7. VNR	8. IP
9. SHIPPING (OFF)	0. BUS FREE

1-9 : SELECT i : EXIT

Fig.4

3.6.2 HOW TO EXIT THE SERVICE MENU MODE

Press the [INFORMATION] key to exit the Service Menu mode.

3.6.3 SERVICE CONTROL KEY LAYOUT ON THE REMOTE CONTROL UNIT

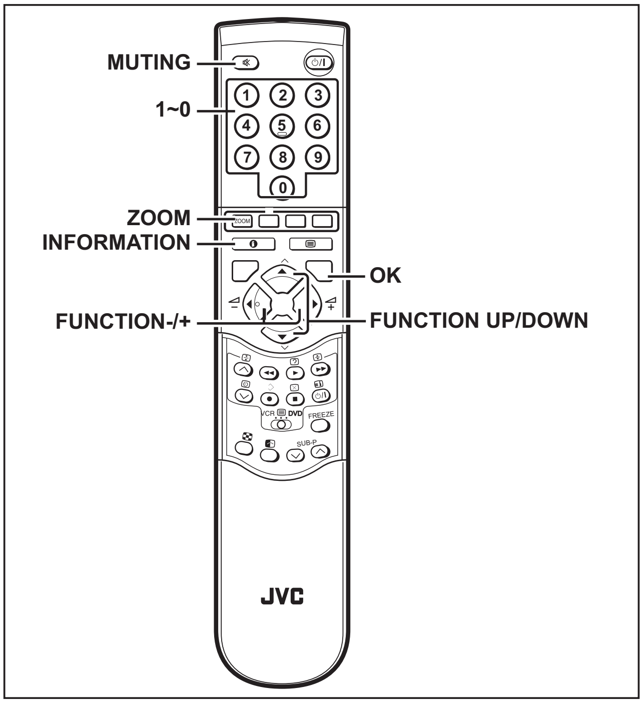


Fig.5

3.6.4 SETTINGS OF THE SERVICE MENUS

3.6.4.1 [1. IF] (VCO adjustment, ATT setting)
[Do not adjust]

3.6.4.2 [2. V/C] (VIDEO setting)
[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the video circuit.

- [Function (up/down)] key
  For scrolling up/down the setting items.
- [Function (+/-)] key
  For scrolling up/down the setting values.

3.6.4.3 [3. AUDIO] (SOUND setting)
[Do not adjust]

3.6.4.4 [4. DD/CM] (Panel picture processing setting)
[Do not change settings of items that are not included in the "ADJUSTMENT PROCEDURE".]
Sets output data to the deflection circuit.

- [Function (up/down)] key
  For scrolling up/down the setting items.

→ DDT01···↔CMT01···↔DDP01···↔CMP01···↔OSD-G ←

- [Zoom (red)] key
  For switching to the next item.

→DDT01 → CMT01 → DDP01 → CMP01 → OSD-G

- [Function (+/-)] key
  For scrolling up/down the setting values.

3.6.4.5 [5. VSM PRESET] (PICTURE preset setting)
[Refer to page 1-17.]

3.6.4.6 [6. STATUS]
(The version of software, the aspect, and the state of debugging are displayed.)
[Setting for this item is not required in servicing]

3.6.4.7 [7. VNR] (Noise reduction setting)
[Do not adjust]
Sets output data to the digital noise reduction circuit.

3.6.4.8 [8. IP] (DIST setting)
[Do not adjust]
Sets output data to the DIST circuit.

3.6.4.9 [9. SHIPPING (OFF)]
[Setting for this item is not required in servicing]

3.6.4.10 [10. BUE FREE]
[Setting for this item is not required in servicing]

3.7 DEFAULT VALUES IN THE SERVICE MENU SETTING MODE

- Perform fine-tuning based on the "default values" using the remote control when in the SERVICE MENU setting mode.
- The "default values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

3.7.1 [2. V/C]

3.7.1.1 VIDEO SYSTEM

Item No.	Item	Variable range	Setting value								
			TV		EXT-1 / 2 / 3 / 5			EXT-4			
			PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1	CUT OF R	0000~0255	0088	0088	0088	0088	0088	0000	0000	0000	0000
2	CUT OF G	0000~0255	0101	0101	0101	0101	0101	0000	0000	0000	0000
3	CUT OF B	0000~0255	0106	0106	0106	0106	0106	0000	0000	0000	0000
4	DRIVE R	0000~0255	0129	0129	0129	0129	0129	0000	0000	0000	0000
5	DRIVE G	0000~0255	0112	0112	0112	0112	0112	0000	0000	0000	0000
6	DRIVE B	0000~0255	0110	0110	0110	0110	0110	0000	0000	0000	0000
7	TWIN HI R	0000~0127	0074	0074	0074	0074	0074	0000	0000	0000	0000
8	TWIN HI B	0000~0127	0066	0066	0066	0066	0066	0000	0000	0000	0000
9	BRIGHT	0000~0255	0014	0014	0014	0014	0014	0000	0000	0000	0000
10	CONT	0000~0015	0006	0006	0006	0006	0006	0000	0000	0000	0000
11	TWN BRG	0000~0127	0081	0081	0081	0081	0081	0000	0000	0000	0000
12	TWN CNT	0000~0015	0007	0007	0007	0007	0007	0000	0000	0000	0000
13	COLOUR	0000~0015	0006	0006	0000	0000	0007	0000	0000	0000	0000
14	HUE	0000~0063	0007	0007	0000	0000	0034	0000	0000	0000	0063
15	BY GAIN	0000~0063	0032	0032	0000	0000	0043	0000	0000	0000	0043
16	TWN COL	0000~0015	0010	0010	0002	0002	0002	0002	0002	0002	0002
17	TWN TNT	0000~0063	0032	0032	0032	0032	0032	0032	0032	0032	0032
18	B OF MR	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
19	B OF MB	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
20	B OF SR	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008
21	B OF SB	0000~0015	0008	0008	0008	0008	0008	0008	0008	0008	0008

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S01	COLOUR	0000~0255	0100	0125	0135
S02	HUE	-128~0127	0000	0000	0000
S03	(NO DISPLAY)	-128~0127	0000	0000	0000
S04	(NO DISPLAY)	-128~0127	0000	0000	0000
S05	BRIGHT	0000~0255	0037	0037	0037
S06	CONT	0000~0255	0100	0100	0100
S07	(NO DISPLAY)	-128~0127	0000	0000	0000
S08	(NO DISPLAY)	-128~0127	0000	0000	0000
S09	(NO DISPLAY)	0000~0255	0138	0138	0138
S10	(NO DISPLAY)	-128~0127	0000	0000	0000
S11	(NO DISPLAY)	-128~0127	0006	0006	0006
S12	(NO DISPLAY)	0000~0003	0000	0000	0000
S13	R GAIN	0000~0255	0249	0249	0249
S14	(NO DISPLAY)	-128~0127	0000	0000	0000
S15	G GAIN	0000~0255	0255	0255	0255
S16	(NO DISPLAY)	-128~0127	0001	0001	0001
S17	B GAIN	0000~0255	0254	0254	0254

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S18	(NO DISPLAY)	-128~0127	0000	0000	0000
S19	(NO DISPLAY)	0000~0255	0128	0128	0128
S20	(NO DISPLAY)	-128~0127	0000	0000	0000
S21	(NO DISPLAY)	0000~0255	0123	0123	0123
S22	(NO DISPLAY)	-128~0127	0000	0000	0000
S23	(NO DISPLAY)	0000~0255	0125	0125	0125
S24	(NO DISPLAY)	-128~0127	0000	0000	0000
S25	(NO DISPLAY)	0000/0001	0000	0000	0000
S26	(NO DISPLAY)	0000/0001	0000	0000	0000
S27	(NO DISPLAY)	0000/0001	0000	0000	0000
S28	(NO DISPLAY)	0000/0001	0001	0001	0001
S29	(NO DISPLAY)	0000/0001	0000	0000	0000
S30	(NO DISPLAY)	0000~0031	0003	0003	0003
S31	(NO DISPLAY)	0000~0063	0006	0006	0006
S32	(NO DISPLAY)	0000~0063	0030	0030	0030
S33	(NO DISPLAY)	0000/0001	0001	0001	0001
S34	(NO DISPLAY)	0000/0001	0001	0001	0001
S35	(NO DISPLAY)	0000/0001	0000	0000	0000
S36	(NO DISPLAY)	0000~0031	0000	0000	0000
S37	(NO DISPLAY)	0000~0255	0200	0200	0200
S38	(NO DISPLAY)	0000~0063	0050	0050	0050
S39	(NO DISPLAY)	0000~0063	0060	0060	0060
S40	(NO DISPLAY)	0000/0001	0001	0001	0001
S41	(NO DISPLAY)	0000/0001	0000	0000	0000
S42	(NO DISPLAY)	0000~0003	0001	0001	0001
S43	(NO DISPLAY)	0000~0031	0011	0011	0011
S44	(NO DISPLAY)	0000~0003	0001	0001	0001
S45	(NO DISPLAY)	0000~0003	0001	0001	0001
S46	(NO DISPLAY)	0000~0015	0015	0015	0015
S47	(NO DISPLAY)	0000~0015	0015	0015	0015
S48	(NO DISPLAY)	0000~0015	0015	0015	0015
S49	(NO DISPLAY)	0000/0001	0000	0000	0000
S50	(NO DISPLAY)	0000~0255	0010	0010	0010
S51	(NO DISPLAY)	0000/0001	0000	0000	0000
S52	(NO DISPLAY)	0000~0255	0087	0087	0087
S53	(NO DISPLAY)	0000/0001	0000	0000	0000
S54	(NO DISPLAY)	0000~0255	0006	0006	0006
S55	(NO DISPLAY)	0000/0001	0000	0000	0000
S56	(NO DISPLAY)	0000~0255	0092	0092	0092
S57	(NO DISPLAY)	0000~0255	0000	0000	0000
S58	(NO DISPLAY)	0000~0015	0000	0000	0000
S59	(NO DISPLAY)	0000~0255	0013	0013	0013
S60	(NO DISPLAY)	0000~0015	0000	0000	0000
S61	(NO DISPLAY)	0000/0001	0001	0001	0001
S62	(NO DISPLAY)	0000~0127	0010	0010	0010
S63	(NO DISPLAY)	0000/0001	0000	0000	0000
S64	(NO DISPLAY)	0000~0127	0000	0000	0000
S65	(NO DISPLAY)	0000~0003	0002	0002	0002

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
S66	(NO DISPLAY)	0000~0003	0003	0003	0003
S67	(NO DISPLAY)	0000~0003	0003	0003	0003
S68	(NO DISPLAY)	0000~0015	0000	0000	0000
S69	(NO DISPLAY)	0000~0063	0019	0019	0019
S70	(NO DISPLAY)	0000/0001	0001	0001	0001
S71	(NO DISPLAY)	0000~0255	0255	0255	0255
S72	(NO DISPLAY)	0000~0255	0255	0255	0255
S73	(NO DISPLAY)	0000~0255	0255	0255	0255
S74	(NO DISPLAY)	0000~0031	0000	0000	0000
S75	(NO DISPLAY)	0000~0031	0000	0000	0000
S76	(NO DISPLAY)	-127~0128	0000	0000	0000
S77	(NO DISPLAY)	-127~0128	0000	0000	0000
S78	(NO DISPLAY)	0000~0255	0255	0255	0255
S79	(NO DISPLAY)	0000~0255	0000	0000	0000
S80	(NO DISPLAY)	0000~0255	0255	0255	0255
S81	(NO DISPLAY)	0000~0255	0000	0000	0000
S82	(NO DISPLAY)	0000~0255	0255	0255	0255
S83	(NO DISPLAY)	0000~0255	0000	0000	0000
S84	(NO DISPLAY)	0000~0015	0000	0000	0000
S85	(NO DISPLAY)	0000~0255	0010	0010	0010
S86	(NO DISPLAY)	0000~0255	0130	0130	0130
S87	(NO DISPLAY)	0000~0003	0001	0001	0001
S88	(NO DISPLAY)	0000~0007	0007	0007	0007
S89	(NO DISPLAY)	0000~0255	0030	0030	0030
S90	(NO DISPLAY)	0000~0127	0000	0000	0000
S91	(NO DISPLAY)	0000~0007	0007	0007	0007
S92	(NO DISPLAY)	0000~0031	0031	0031	0031
S93	(NO DISPLAY)	0000~0007	0007	0007	0007
S94	(NO DISPLAY)	0000~0031	0031	0031	0031
S95	(NO DISPLAY)	0000~0255	0060	0060	0060
S96	(NO DISPLAY)	0000~0015	0006	0006	0006
S97	(NO DISPLAY)	0000~0063	0040	0040	0040

3.7.1.2 AUDIO SYSTEM

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
A01	(NO DISPLAY)	0000~0007	0003	0003	0003
A02	(NO DISPLAY)	0000~0007	0003	0003	0003
A03	(NO DISPLAY)	0000~0007	0003	0003	0003
A04	(NO DISPLAY)	0000~0007	0003	0003	0003
A05	(NO DISPLAY)	0000~0009	0009	0009	0009
A06	(NO DISPLAY)	0000~0015	0006	0006	0006
A07	(NO DISPLAY)	0000~0015	0006	0006	0006
A08	(NO DISPLAY)	0000~0015	0003	0003	0003
A09	(NO DISPLAY)	0000~0007	0006	0006	0006
A10	(NO DISPLAY)	0000~0007	0004	0004	0004
A11	(NO DISPLAY)	0000~0063	0017	0017	0017
A12	(NO DISPLAY)	0000~0063	0010	0010	0010
A13	(NO DISPLAY)	0000~0003	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
A14	(NO DISPLAY)	0000~0007	0000	0000	0000
A15	(NO DISPLAY)	0000~0003	0000	0000	0000
A16	(NO DISPLAY)	0000~0003	0000	0000	0000
A17	(NO DISPLAY)	0000~0003	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PDA01	(NO DISPLAY)	0000~0255	0000	0000	0000
PDA02	(NO DISPLAY)	0000~0255	0031	0031	0031
PDA03	(NO DISPLAY)	0000~0255	0085	0085	0085
PDA04	(NO DISPLAY)	0000~0255	0004	0004	0004
PDA05	(NO DISPLAY)	0000/0001	0001	0001	0001
PDA06	(NO DISPLAY)	0000/0001	0000	0000	0000
PDA07	(NO DISPLAY)	0000~0255	0150	0150	0150
PDA08	(NO DISPLAY)	0000~0255	0150	0150	0150
PDA09	(NO DISPLAY)	0000~0255	0002	0002	0002
PDA10	(NO DISPLAY)	0000~0255	0060	0060	0060
PDA11	(NO DISPLAY)	0000~0255	0000	0000	0000
PDA12	(NO DISPLAY)	0000~0127	0000	0000	0000

3.7.2 [3.AUDIO] (MULTISOUND SYSTEM) (*All fixed)

Item No.	Item	Variable range	Setting value	
			PAL	SECAM
1	ERROR LIMIT	0000~0FF0	0100	0100
2	A2 ID THR	0000~00FF	0019	0019
3	Q-PEAK	-	-	-
4	SOUND LEVEL	F00F~FFFF	FFFF	FFFF

3.7.3 [4.DD/CM]

NOTE:

- For reference, initial setting values (except OSD-G/B/R) in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT01	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT02	(NO DISPLAY)	0000~0255	0022	0022	0020
DDT03	(NO DISPLAY)	0000~0255	0240	0240	0174
DDT04	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT05	(NO DISPLAY)	0000~0255	0255	0255	0000
DDT06	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT07	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT08	(NO DISPLAY)	0000~0255	0255	0255	0255
DDT09	(NO DISPLAY)	0000~0003	0000	0000	0000
DDT10	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT11	(NO DISPLAY)	0000~0007	0000	0000	0002
DDT12	(NO DISPLAY)	0000~0255	0090	0090	0115

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDT13	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT14	(NO DISPLAY)	0000~0003	0000	0000	0001
DDT15	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT16	(NO DISPLAY)	0000~0255	0021	0021	0123
DDT17	(NO DISPLAY)	0000/0001	0001	0001	0001
DDT18	(NO DISPLAY)	0000/0001	0001	0001	0000
DDT19	(NO DISPLAY)	0000~0063	0001	0001	0001
DDT20	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT21	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT22	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT23	(NO DISPLAY)	0000~0015	0000	0000	0000
DDT24	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT25	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT26	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT27	(NO DISPLAY)	0000~0007	0000	0000	0000
DDT28	(NO DISPLAY)	0000~0255	0250	0250	0120
DDT29	(NO DISPLAY)	0000~0003	0000	0000	0002
DDT30	(NO DISPLAY)	0000/0001	0000	0000	0000
DDT31	(NO DISPLAY)	0000~0007	0005	0005	0000
DDT32	(NO DISPLAY)	0000~0255	0170	0170	0010
DDT33	(NO DISPLAY)	0000~0255	0000	0000	0000
DDT34	(NO DISPLAY)	0000~0255	0032	0032	0042

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT01	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT02	(NO DISPLAY)	0000~0255	0104	0104	0093
CMT03	(NO DISPLAY)	0000~0255	0020	0020	0010
CMT04	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT05	(NO DISPLAY)	0000~0063	0062	0062	-004
CMT06	(NO DISPLAY)	-128~0127	0005	0005	0001
CMT07	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT08	(NO DISPLAY)	-128~0127	-004	-004	-004
CMT09	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT10	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT11	(NO DISPLAY)	0000~0255	0155	0155	0164
CMT12	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT13	(NO DISPLAY)	0000~0255	0020	0020	0020
CMT14	(NO DISPLAY)	0000~0063	0057	0057	-002
CMT15	(NO DISPLAY)	-128~0127	0005	0005	0007
CMT16	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT17	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT18	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT19	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT20	(NO DISPLAY)	0000~0255	0191	0191	0187
CMT21	(NO DISPLAY)	0000~0255	0040	0040	0030
CMT22	(NO DISPLAY)	0000~0255	0030	0030	0030
CMT23	(NO DISPLAY)	0000~0063	0057	0057	-005

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMT24	(NO DISPLAY)	-128~0127	0010	0010	0003
CMT25	(NO DISPLAY)	-128~0127	0020	0020	0010
CMT26	(NO DISPLAY)	-128~0127	0010	0010	0005
CMT27	(NO DISPLAY)	-128~0127	0015	0015	0010
CMT28	(NO DISPLAY)	0000~0003	0001	0001	0001
CMT29	(NO DISPLAY)	0000~0255	0078	0078	0038
CMT30	(NO DISPLAY)	0000~0255	0030	0030	0035
CMT31	(NO DISPLAY)	0000~0255	0030	0030	0040
CMT32	(NO DISPLAY)	0000~0063	0057	0057	-004
CMT33	(NO DISPLAY)	-128~0127	0010	0010	0013
CMT34	(NO DISPLAY)	-128~0127	0010	0010	0012
CMT35	(NO DISPLAY)	-128~0127	0000	0000	-003
CMT36	(NO DISPLAY)	-128~0127	0015	0015	0020
CMT37	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT38	(NO DISPLAY)	0000~0255	0064	0064	0064
CMT39	(NO DISPLAY)	0000~0255	0074	0074	0088
CMT40	(NO DISPLAY)	-128~0127	0000	0000	0000
CMT41	(NO DISPLAY)	-128~0127	0010	0010	0010
CMT42	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT43	(NO DISPLAY)	0000~0255	0128	0128	0128
CMT44	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT45	(NO DISPLAY)	0000~0255	0080	0080	0000
CMT46	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT47	(NO DISPLAY)	0000~0255	0070	0070	0128
CMT48	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT49	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT50	(NO DISPLAY)	0000~0031	0021	0021	0000
CMT51	(NO DISPLAY)	0000~0031	0021	0021	0000
CMT52	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT53	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT54	(NO DISPLAY)	0000~0003	0000	0000	0000
CMT55	(NO DISPLAY)	0000/0001	0000	0000	0000
CMT56	(NO DISPLAY)	0000/0001	0001	0001	0001
CMT57	(NO DISPLAY)	0000/0001	0000	0000	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDP01	(NO DISPLAY)	0000~0003	0000	0000	0000
DDP02	(NO DISPLAY)	0000~0255	0032	0032	0032
DDP03	(NO DISPLAY)	0000~0003	0000	0000	0000
DDP04	(NO DISPLAY)	0000~0255	0001	0001	0001
DDP05	(NO DISPLAY)	0000~0255	0000	0000	0000
DDP06	(NO DISPLAY)	0000~0003	0000	0000	0001
DDP07	(NO DISPLAY)	0000~0031	0000	0000	0001
DDP08	(NO DISPLAY)	0000~0007	0000	0000	0000
DDP09	(NO DISPLAY)	0000~0255	0118	0118	0100
DDP10	(NO DISPLAY)	0000~0007	0001	0001	0001
DDP11	(NO DISPLAY)	0000~0255	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
DDP12	(NO DISPLAY)	0000~0007	0006	0006	0006
DDP13	(NO DISPLAY)	0000~0007	0004	0004	0002
DDP14	(NO DISPLAY)	0000~0003	0002	0002	0000
DDP15	(NO DISPLAY)	0000~0015	0000	0000	0001
DDP16	(NO DISPLAY)	0000~0015	0005	0005	0007
DDP17	(NO DISPLAY)	0000~0015	0003	0003	0004
DDP18	(NO DISPLAY)	0000/0001	0000	0000	0000
DDP19	(NO DISPLAY)	0000/0001	0001	0001	0001
DDP20	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP21	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP22	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP23	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP24	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP25	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP26	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP27	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP28	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP29	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP30	(NO DISPLAY)	0000~0015	0010	0010	0010
DDP31	(NO DISPLAY)	0000~0015	0006	0006	0006
DDP32	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP33	(NO DISPLAY)	0000~0255	0133	0133	0133
DDP34	(NO DISPLAY)	0000~0255	0102	0102	0102
DDP35	(NO DISPLAY)	0000~0255	0144	0144	0144
DDP36	(NO DISPLAY)	0000~0255	0013	0013	0013
DDP37	(NO DISPLAY)	0000~0063	0048	0048	0048

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
CMP01	(NO DISPLAY)	0000/0001	0000	0000	0000
CMP02	(NO DISPLAY)	0000/0001	0001	0001	0000
CMP03	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
OSD-G	(NO DISPLAY)	0000~0255	0128	0128	0128
OSD-B	(NO DISPLAY)	0000~0255	0142	0142	0128
OSD-R	(NO DISPLAY)	0000~0255	0128	0128	0128

3.7.4 [7.VNR] (*All fixed)

NOTE:
- For reference, initial setting values in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
1	MYLV	0000~000F	000E	000E	000E
2	ONMVF	0000/0001	0001	0001	0001
3	MYCOR	0000~001F	0003	0003	0003
4	MYGA	0000~0003	0002	0002	0002
5	YEGON	0000/0001	0001	0001	0001
6	YEGL	0000~000F	0000	0000	0000
7	YL TL	0000~007F	0009	0009	0009
8	MCLV	0000~000F	000E	000E	000E
9	MCGA	0000~0003	0002	0002	0002
10	MCCOR	0000~001F	0003	0003	0003
11	CLTL	0000~007F	0009	0009	0009
12	YNGA	0000~0003	0003	0003	0003
13	COR_OF	0000/0001	0000	0000	0000
14	LPF_OF	0000/0001	0000	0000	0000
15	YCTL	0000~000F	0004	0004	0004
16	YNCL	0000~000F	000E	000E	000E
17	YNCON	0000/0001	0001	0001	0001

3.7.5 [8.IP] (*All fixed)

NOTE:
- For reference, initial setting values in the following conditions are written here.
  Input signal :PAL/SECAM/NTSC
  Picture mode :Standard
  Zoom :Full
  Multi screen :Single screen
  Colour temp. :Normal

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPA001	(NO DISPLAY)	0000~00FF	0040	0040	0040
PPA002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA003	(NO DISPLAY)	0000~00FF	0053	0056	0056
PPA004	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPA007	(NO DISPLAY)	0000~00FF	0053	0056	0056
PPA008	(NO DISPLAY)	0000~00FF	0031	0031	0031

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB001	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB002	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB003	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB004	(NO DISPLAY)	0000~001F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPB005	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB007	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB009	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB010	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB011	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB012	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB013	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB015	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB016	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB017	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB018	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB019	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB020	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB021	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB022	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB023	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB024	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB025	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB027	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB028	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB029	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB031	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB033	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB034	(NO DISPLAY)	0000~001F	0000	0000	0000
PPB035	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPC001	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC002	(NO DISPLAY)	0000~00FF	000F	0019	0019
PPC003	(NO DISPLAY)	0000~00FF	0000	0002	0002
PPC004	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC005	(NO DISPLAY)	0000~00FF	007C	007C	007C
PPC006	(NO DISPLAY)	0000~000F	0000	0000	0000
PPC007	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD001	(NO DISPLAY)	0000~00FF	0062	0062	0062
PPD002	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD003	(NO DISPLAY)	0000~00FF	00F7	00F7	00F7

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
PPD004	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD005	(NO DISPLAY)	0000~00FF	0038	0038	0038
PPD006	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD007	(NO DISPLAY)	0000~00FF	001A	001A	001A
PPD008	(NO DISPLAY)	0000~00FF	0001	0001	0001
PPD009	(NO DISPLAY)	0000~00FF	0050	0050	0050
PPD010	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD011	(NO DISPLAY)	0000~00FF	00FB	00FB	00FB
PPD012	(NO DISPLAY)	0000~00FF	0002	0002	0002
PPD013	(NO DISPLAY)	0000~00FF	002E	002E	002E
PPD014	(NO DISPLAY)	0000~00FF	0000	0000	0000
PPD015	(NO DISPLAY)	0000~00FF	0058	0058	0058
PPD016	(NO DISPLAY)	0000~00FF	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS001	(NO DISPLAY)	0000~00FF	00D7	00D7	00D7
ADS002	(NO DISPLAY)	0000~000F	0000F	0000F	0000F
ADS003	(NO DISPLAY)	0000~0003	0001	0001	0001
ADS004	(NO DISPLAY)	0000~0007	0005	0005	0005
ADS005	(NO DISPLAY)	0000~001F	0016	0016	0016
ADS006	(NO DISPLAY)	0000~00FF	0028	0028	0028
ADS007	(NO DISPLAY)	0000~00FF	0096	0096	0096
ADS008	(NO DISPLAY)	0000~00FF	0020	0020	0020
ADS009	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS010	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS011	(NO DISPLAY)	0000~00FF	000FF	000FF	000FF
ADS012	(NO DISPLAY)	0000~007F	004A	004A	004A
ADS013	(NO DISPLAY)	0000~007F	0051	0051	0051
ADS014	(NO DISPLAY)	0000~007F	0042	0042	0042
ADS015	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS016	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS017	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS018	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS019	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS020	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS021	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS022	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS023	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS024	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS025	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS026	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS027	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS028	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS029	(NO DISPLAY)	0000/0001	0000	0000	0000
ADS030	(NO DISPLAY)	0000~001F	0003	0003	0003
ADS031	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS032	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
ADS033	(NO DISPLAY)	0000/0001	0001	0001	0001
ADS034	(NO DISPLAY)	0000~00FF	0002	0002	0002

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA001	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA002	(NO DISPLAY)	0000~003F	0022	0022	0022
IPA003	(NO DISPLAY)	0000~003F	0022	0022	0022
IPA004	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA005	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA006	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA007	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA008	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA009	(NO DISPLAY)	0000~003F	000B	000B	000B
IPA010	(NO DISPLAY)	0000~003F	0018	0018	0018
IPA011	(NO DISPLAY)	0000~003F	0018	0018	0018
IPA012	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA013	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA014	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA015	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA016	(NO DISPLAY)	0000~003F	0004	0004	0004
IPA017	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA018	(NO DISPLAY)	0000~003F	000B	000B	000B
IPA019	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA020	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA021	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA022	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA023	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA024	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA025	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA026	(NO DISPLAY)	0000~003F	0030	0030	0030
IPA027	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA028	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA029	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA030	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA031	(NO DISPLAY)	0000~0007	0002	0002	0002
IPA032	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA033	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA034	(NO DISPLAY)	0000~003F	0000	0000	0000
IPA035	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA036	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA037	(NO DISPLAY)	0000~003F	000D	000D	000D
IPA038	(NO DISPLAY)	0000~003F	0010	0010	0010
IPA039	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA040	(NO DISPLAY)	0000~0003	0001	0001	0001
IPA041	(NO DISPLAY)	0000~000F	000F	000F	000F
IPA042	(NO DISPLAY)	0000~003F	0005	0005	0005
IPA043	(NO DISPLAY)	0000~003F	0008	0008	0008

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA044	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA045	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA046	(NO DISPLAY)	0000~003F	0020	0020	0020
IPA047	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA048	(NO DISPLAY)	0000~0003	0002	0002	0002
IPA049	(NO DISPLAY)	0000~000F	0007	0007	0007
IPA050	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA051	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA052	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA053	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA055	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA056	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA057	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA058	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA059	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA060	(NO DISPLAY)	0000~003F	0015	0015	0015
IPA061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA062	(NO DISPLAY)	0000~003F	000A	000A	000A
IPA063	(NO DISPLAY)	0000~003F	003F	003F	003F
IPA064	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA065	(NO DISPLAY)	0000~0007	0001	0001	0001
IPA066	(NO DISPLAY)	0000~003F	0008	0008	0008
IPA067	(NO DISPLAY)	0000/0001	0001	0001	0001
IPA068	(NO DISPLAY)	0000~003F	0007	0007	0007
IPA069	(NO DISPLAY)	0000~0003	0000	0000	0000
IPA070	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA071	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA072	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPA073	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA074	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA075	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPA076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA077	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA079	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA080	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA081	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA082	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA083	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA087	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA088	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA089	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA090	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA091	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPA092	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA093	(NO DISPLAY)	0000~000F	0006	0006	0006
IPA094	(NO DISPLAY)	0000~00FF	0071	0071	0071
IPA095	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA096	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA097	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA098	(NO DISPLAY)	0000~00FF	00DD	00DD	00DD
IPA099	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA100	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA101	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA102	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA103	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA104	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA105	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA106	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA107	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA108	(NO DISPLAY)	0000~00FF	0080	0080	0080
IPA109	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA110	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA111	(NO DISPLAY)	0000~000F	0005	0005	0005
IPA112	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPA113	(NO DISPLAY)	0000~000F	0000	0000	0000
IPA114	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPA115	(NO DISPLAY)	0000~000F	0002	0002	0002
IPA116	(NO DISPLAY)	0000~00FF	00EF	00EF	00EF
IPA117	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA118	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA119	(NO DISPLAY)	0000/0001	0000	0000	0000
IPA120	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB001	(NO DISPLAY)	0000~00FF	0001	0001	0001
IPB002	(NO DISPLAY)	0000~00FF	004A	0003	0003
IPB003	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB004	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB006	(NO DISPLAY)	0000~00FF	0086	0062	0062
IPB007	(NO DISPLAY)	0000~000F	0002	0002	0002
IPB008	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB009	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB010	(NO DISPLAY)	0000~00FF	0000	00A0	00A0
IPB011	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB012	(NO DISPLAY)	0000~00FF	0000	0001	0001
IPB013	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB014	(NO DISPLAY)	0000~00FF	0000	00A8	00A8
IPB015	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB016	(NO DISPLAY)	0000~00FF	0000	0058	0058

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB017	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB018	(NO DISPLAY)	0000~00FF	0000	0028	0028
IPB019	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB020	(NO DISPLAY)	0000~00FF	0000	0026	0026
IPB021	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB022	(NO DISPLAY)	0000~00FF	0000	0022	0022
IPB023	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB024	(NO DISPLAY)	0000~00FF	0000	0024	0024
IPB025	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB026	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB027	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB028	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB029	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB030	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB031	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB033	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB034	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB035	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB036	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB038	(NO DISPLAY)	0000~0007	0000	0000	0000
IPB039	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB040	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB041	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB042	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB043	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB044	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB045	(NO DISPLAY)	0000~000F	0001	0001	0001
IPB046	(NO DISPLAY)	0000~00FF	008B	008B	008B
IPB047	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB049	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB050	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB051	(NO DISPLAY)	0000~000F	0000	0006	0006
IPB052	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB053	(NO DISPLAY)	0000~000F	0000	0001	0001
IPB054	(NO DISPLAY)	0000~00FF	0000	0056	0056
IPB055	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB056	(NO DISPLAY)	0000~00FF	0000	0024	0024
IPB057	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB058	(NO DISPLAY)	0000~00FF	0000	00FC	00FC
IPB059	(NO DISPLAY)	0000~0007	0000	0002	0002
IPB060	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB061	(NO DISPLAY)	0000~0003	0000	0000	0000
IPB062	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB063	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB064	(NO DISPLAY)	0000~00FF	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPB065	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB066	(NO DISPLAY)	0000/0001	009D	009D	009D
IPB067	(NO DISPLAY)	0000~000F	0006	0006	0006
IPB068	(NO DISPLAY)	0000~000F	0040	0040	0040
IPB069	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB070	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB071	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB072	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB073	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPB074	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB075	(NO DISPLAY)	0000/0001	0080	0080	0080
IPB076	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB077	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB078	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB079	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB080	(NO DISPLAY)	0000~000F	000F	000F	000F
IPB081	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB082	(NO DISPLAY)	0000~000F	0000	0000	0000
IPB083	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPB084	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB085	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB086	(NO DISPLAY)	0000/0001	0000	0000	0000
IPB087	(NO DISPLAY)	0000~000F	000B	000B	000B
IPB088	(NO DISPLAY)	0000/0001	0001	0001	0001

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC001	(NO DISPLAY)	0000~0003	0002	0002	0002
IPC002	(NO DISPLAY)	0000~00FF	00EA	00EA	00EA
IPC003	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC004	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC005	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC006	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC007	(NO DISPLAY)	0000~000F	0005	0005	0005
IPC008	(NO DISPLAY)	0000~00FF	00DB	00DB	00DB
IPC009	(NO DISPLAY)	0000~000F	0007	0007	0007
IPC010	(NO DISPLAY)	0000~00FF	00B9	00B9	00B9
IPC011	(NO DISPLAY)	0000~000F	0000	0000	0000
IPC012	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPC013	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC014	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC015	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC016	(NO DISPLAY)	0000~00FF	001F	001F	001F
IPC017	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC018	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC019	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC020	(NO DISPLAY)	0000~007F	0001	0001	0001
IPC021	(NO DISPLAY)	0000~000F	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPC022	(NO DISPLAY)	0000~00FF	00FE	00FE	00FE
IPC023	(NO DISPLAY)	0000~0003	0000	0000	0000
IPC024	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPC025	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC026	(NO DISPLAY)	0000~007F	0020	0020	0020
IPC027	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC028	(NO DISPLAY)	0000~007F	0000	0000	0000
IPC029	(NO DISPLAY)	0000/0001	0001	0001	0001
IPC030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC031	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC032	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC035	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC036	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC037	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC038	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPC044	(NO DISPLAY)	0000/0001	0000	0000	0000

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD001	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD002	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD003	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD004	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD005	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD006	(NO DISPLAY)	0000~0007	0006	0006	0006
IPD007	(NO DISPLAY)	0000~00FF	0018	0018	0018
IPD008	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD009	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD010	(NO DISPLAY)	0000~00FF	0062	0062	0062
IPD011	(NO DISPLAY)	0000~000F	0005	0005	0005
IPD012	(NO DISPLAY)	0000~00FF	002B	002B	002B
IPD013	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD014	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD015	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD016	(NO DISPLAY)	0000/0001	0002	0002	0002
IPD017	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD018	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD019	(NO DISPLAY)	0000~00FF	0002	0002	0002
IPD020	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD021	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD022	(NO DISPLAY)	0000/0001	0080	0080	0080
IPD023	(NO DISPLAY)	0000~000F	0080	0080	0080

Item No.	Item	Variable range	Setting value		
			PAL	SECAM	NTSC
IPD024	(NO DISPLAY)	0000~00FF	0070	0070	0070
IPD025	(NO DISPLAY)	0000~000F	0060	0060	0060
IPD026	(NO DISPLAY)	0000~00FF	0050	0050	0050
IPD027	(NO DISPLAY)	0000~00FF	0040	0040	0040
IPD028	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD029	(NO DISPLAY)	0000~0007	0001	0001	0001
IPD030	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD031	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD032	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD033	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD034	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD035	(NO DISPLAY)	0000~0003	0000	0000	0000
IPD036	(NO DISPLAY)	0000~000F	0000	0000	0000
IPD037	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD038	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD039	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD040	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD041	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD042	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD043	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD044	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD045	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD046	(NO DISPLAY)	0000/0001	0000	0000	0000
IPD047	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD048	(NO DISPLAY)	0000~00FF	0000	0000	0000
IPD049	(NO DISPLAY)	0000~00FF	0090	0090	0090
IPD050	(NO DISPLAY)	0000~0007	0000	0000	0000
IPD051	(NO DISPLAY)	0000~00FF	001D	001D	001D
IPD052	(NO DISPLAY)	0000~0007	0002	0002	0002
IPD053	(NO DISPLAY)	0000~00FF	00E6	00E6	00E6
IPD054	(NO DISPLAY)	0000/0001	0001	0001	0001
IPD055	(NO DISPLAY)	0000~000F	0001	0001	0001
IPD056	(NO DISPLAY)	0000~00FF	000E	000E	000E
IPD057	(NO DISPLAY)	0000~000F	0004	0004	0004
IPD058	(NO DISPLAY)	0000~00FF	00C0	00C0	00C0

3.8 ADJUSTMENT PROCEDURE

3.8.1 DISPLAY UNIT

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER SUPPLY VOLTAGE	DC voltmeter Signal generator Resistor (5ohm ±20% / 5W)	Connector CN0C4 [PDP POWER PWB]	Vs VR :170V ADJ (R628) Vd VR : 60V ADJ (R721)	**CAUTION:** During adjustment operation of PDP POWER SUPPLY VOLTAGE, don't touch the heat sink of the PDP POWER PWB. If you touch it, electric shock may be caused. (See Fig.2) **<When PDP POWER PWB is not replaced>** (1) Connect the load resistor (5Ω/5W) to the CN0C4 connector on the PDP POWER PWB. (See Fig.1) (2) Adjust Vs (170V ADJ) VR and Vd (60V ADJ) VR such that the Vs and Vd load resistor voltage tally with those in the table. (3) Ensure that the voltage between pins 5 and 6 of CN0C4 (5V) coincides with the table's value. (4) Input a PAL (625i) all-black signal and check that voltage coincides with the values in the table. (5) Readjust if the adjusted value is different from those in the table. **NOTE:** Designated value for the panel is printed on a small label on the top left corner at the back of the PDP. (See Fig.2) **<When PDP POWER PWB is replaced>** **CAUTION:** Before making adjustments, be sure not to turn on the power when the CN0AT and CN0AU connectors are connected, as this may cause the PDP to break down. (1) Disconnect the CN0AT and CN0AU connectors on the PDP POWER PWB. (2) Connect the load resistor (5Ω/5W) to the CN0C4 connector and turn on the power. (3) Adjust Vs (170V ADJ) VR and Vd (60V ADJ) VR so that the Vs and Vd voltage coincides with the values in the table. (4) Ensure that the voltage between pins 5 and 6 of CN0C4 (5V) coincides with the values in the table. (5) Turn off the power, and connect the CN0AT and CN0AU connectors and turn on the power again. (6) Input a PAL (625i) all-black signal and check that it coincides with the values in the table. (7) If the adjusted value is different from those in the table, fine-tune without unplugging the connectors. **CAUTION:** Designated power supply voltage of the panel (Vs, Vd) varies according to the PDP unit. (See Fig.2) Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.

Item measured	CN0AU/CN0AT Disconnected	CN0AU/CN0AT Connected	Adjustment VR
Vs	Designated value for panel ±0.5V	Designated value for panel ±0.5V	R628
Vd	Designated value for panel ±0.5V	Designated value for panel ±0.5V	R721
5V	5.25 ± 0.15V	5.20 ± 0.15V	-

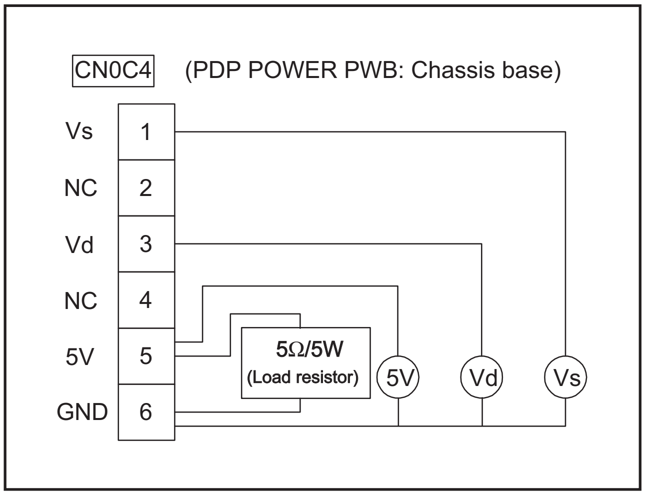
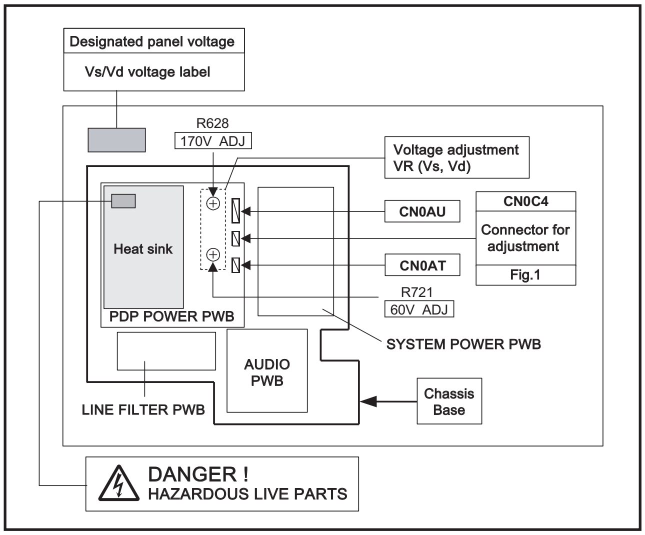

CN0C4
(PDP POWER PWB: Chassis base)
Vs
1
NC
2
Vd
3
NC
4
5V
5
GND
6
5Ω/5W
(Load resistor)
5V
Vd
Vs

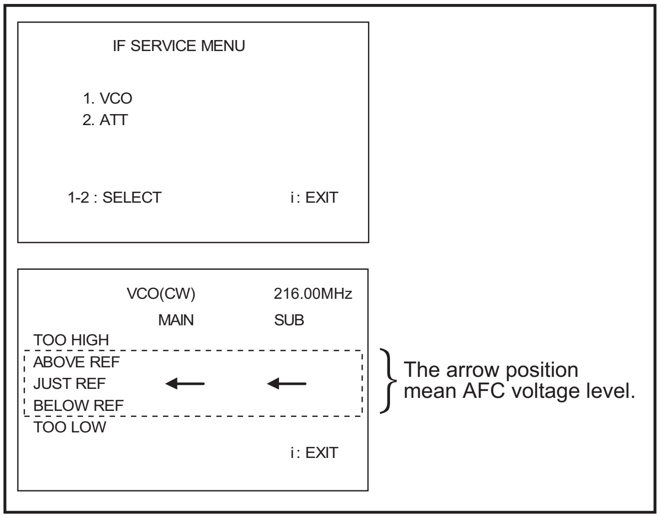
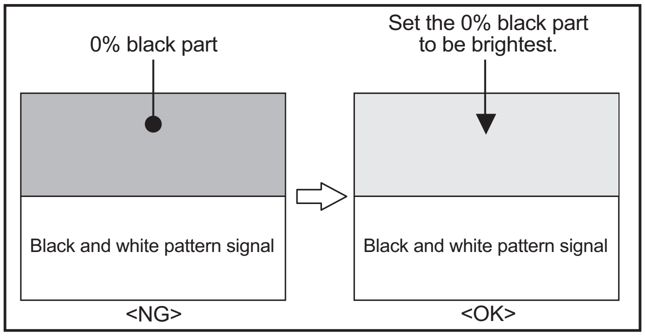
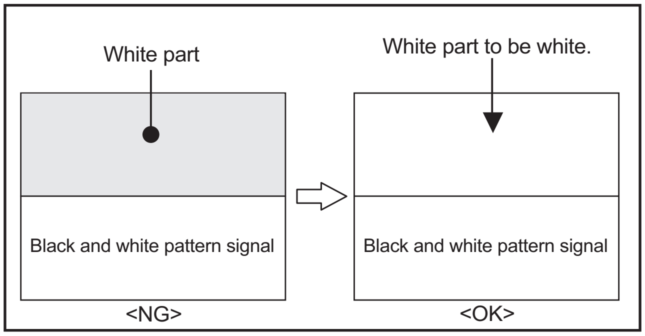
Fig.1

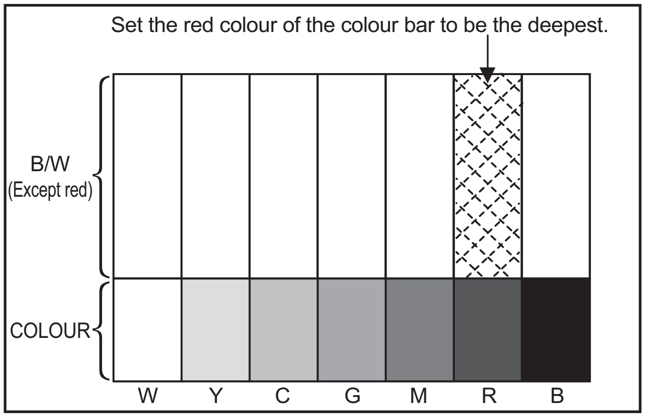
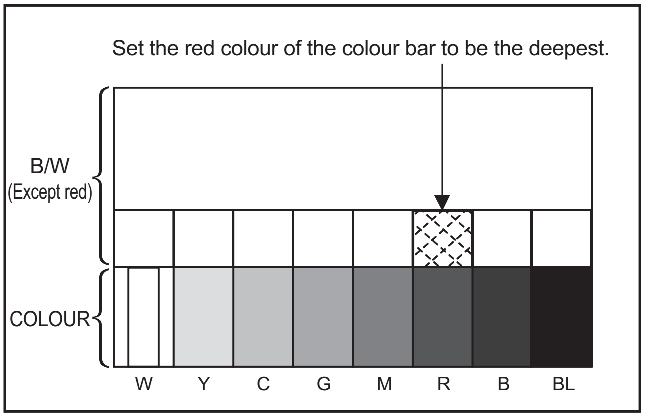

Designated panel voltage
Vs/Vd voltage label
R628
170V ADJ
Voltage adjustment VR (Vs, Vd)
CN0C4
Connector for adjustment
Fig.1
CN0AU
CN0AT
Heat sink
R721
60V ADJ
PDP POWER PWB
SYSTEM POWER PWB
AUDIO PWB
LINE FILTER PWB
Chassis Base
DANGER !
HAZARDOUS LIVE PARTS

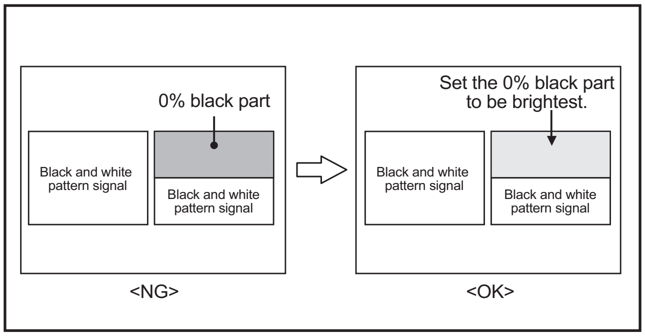
Designated value for panel / layout of adjustment VR (Rear view)

Fig.2

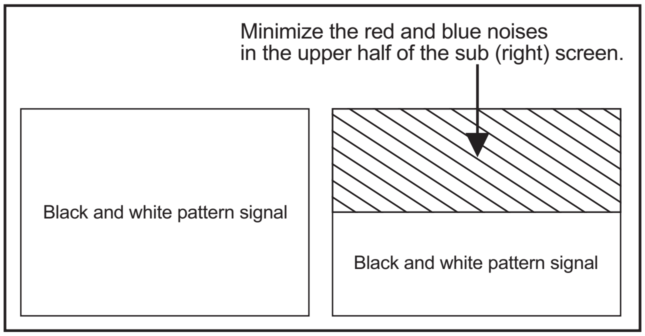
3.8.2 RECEIVER UNIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>VCO (AFC) check</td><td>Remote control unit
Signal generator</td><td></td><td>[1.IF]</td><td rowspan="2">(1) Receive a PAL colour bar signal.
(2) Select "1. IF" from the SERVICE MENU.
(3) Select "1. VCO."
(4) Make sure that an arrow of "MAIN" is in the position between "ABOVE REF." and "BELOW REF."on the screen
(5) Make sure that an arrow of "SUB" is in the position between "ABOVE REF." and "BELOW REF."on the screen.</td></tr>
<tr><td colspan="4">
IF SERVICE MENU
1. VCO
2. ATT
1-2 : SELECT
i : EXIT
VCO(CW)
216.00MHz
MAIN
SUB
TOO HIGH
ABOVE REF
JUST REF
BELOW REF
TOO LOW
i : EXIT
The arrow position mean AFC voltage level.
Fig.3</td></tr>
<tr><td>SUB BRIGHTNESS</td><td>Remote control unit
Signal generator</td><td></td><td>[2.V/C]
9. BRIGHT (Bright)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust <9. BRIGHT> (Bright) to set the 0% black part to be the brightest.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">
0% black part
Set the 0% black part to be brightest.
Black and white pattern signal
Black and white pattern signal
<NG>
<OK>
Fig.4</td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit
Signal generator</td><td></td><td>[2. V/C]
10. CONT (Contrast)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (colour off).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust <10. CONT> (Contrast) to set the white part to be white.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">
White part
White part to be white.
Black and white pattern signal
Black and white pattern signal
<NG>
<OK>
Fig.5</td></tr>
</table>

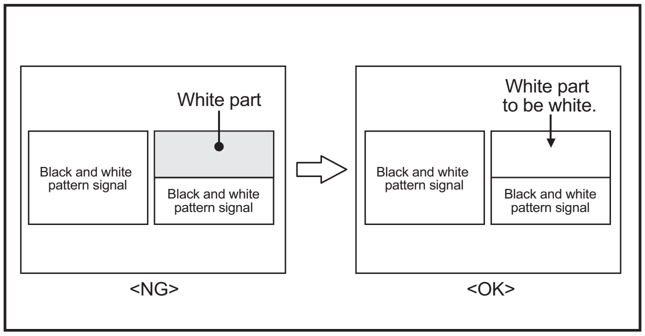
Item	Measuring instrument	Test point	Adjustment part	Description
PAL/SECAM/ NTSC SUB COLOUR	Remote control unit Signal generator		[2.V/C] 13. COLOUR (Colour)	**- PAL COLOUR -** (1) Receive a PAL colour bar signal (full field colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <13. COLOUR> (Colour) to set the red colour of the colour bar signal to be the reddest. (See Fig.6) If noise is not completely deleted, adjust <13. COLOUR> so that the red colour has the minimum noise. **NOTE:** If you select an adjustment item <13. COLOUR>, then the screen turns to an adjustment screen shown in Fig.6. (4) Press the [OK] key to save the value. (5) Press the [INFORMATION] key twice to the normal screen. **- SECAM COLOUR -** (6) Receive a SECAM colour bar signal (half colour bar). (7) Select "2. V/C" from the SERVICE MENU. (8) Make similar adjustment of SECAM COLOUR in the same way as for "PAL COLOUR". (See Fig.7) **- NTSC COLOUR -** (9) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white). (10) Select "2. V/C" from the SERVICE MENU. (11) Make similar adjustment of NTSC COLOUR in the same way as for "PAL COLOUR". (See Fig.6) (12) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.
 Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B Fig.6  Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B BL Fig.7				

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB-SCREEN BRIGHTNESS</td><td>Remote control unit
Signal generator</td><td></td><td>[2. V/C]
11. TWN BRG (Sub-screen bright)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust <11. TWN BRG> (Sub-screen bright) to set the 0% black part in the sub (right) screen to be the brightest.
NOTE:
If you select an adjustment item <11.TWN BRG>, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">

0% black part
Set the 0% black part to be brightest.
Black and white pattern signal
Black and white pattern signal
Black and white pattern signal
Black and white pattern signal
<NG>
<OK>

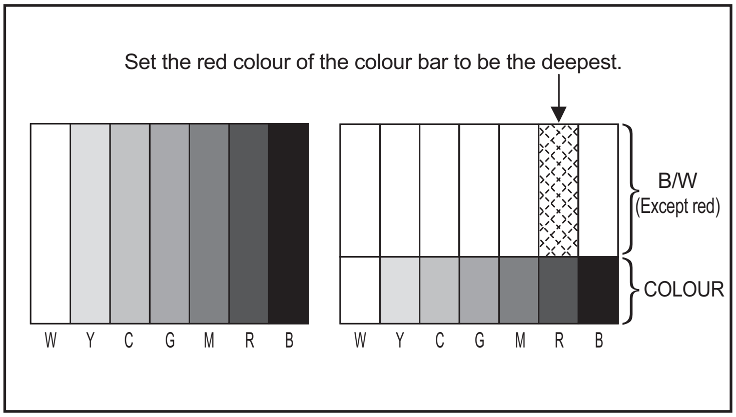
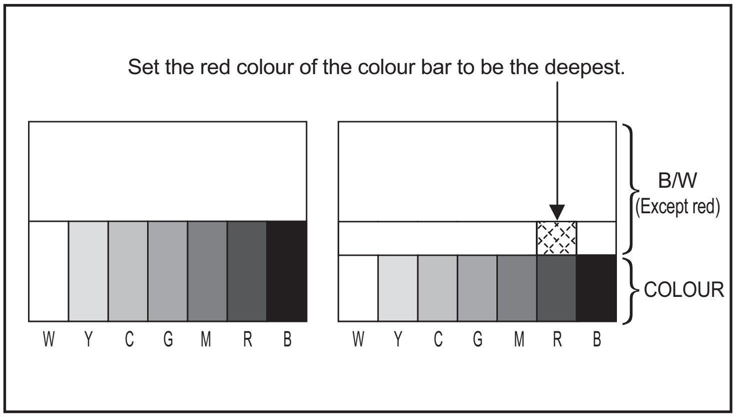
Fig.8</td></tr>
<tr><td>SUB-SCREEN A-D OFFSET</td><td>Remote control unit
Signal generator</td><td></td><td>[2. V/C]
7. TWN HI R (Sub-screen high light red)
8. TWN HI B (Sub-screen high light blue)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (including 0% black signal).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust <7.TWN HI R>(Sub-screen high light red) to minimize the red noise in the upper half of the sub (right) screen. (See Fig.9)
NOTE:
If you select an adjustment item <7. TWN HI R>, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.
(5) Adjust <8.TWN HI B>(Sub-screen high light blue) to minimize the blue noise in the upper half of the sub (right) screen. (See Fig.9)
(6) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">Minimize the red and blue noises in the upper half of the sub (right) screen.

Black and white pattern signal
Black and white pattern signal

Fig.9</td></tr>
<tr><td>SUB-SCREEN CONTRAST</td><td>Remote control unit
Signal generator</td><td></td><td>[2. V/C]
12. TWN CNT (Sub-screen contrast)</td><td rowspan="2">(1) Receive a PAL black and white pattern signal (colour off).
(2) Select "2. V/C" from the SERVICE MENU.
(3) Adjust <12. TWN CNT> (Sub-screen contrast) to set the white part in the sub (right) screen to be white.
NOTE:
If you select an adjustment item <12.TWN CNT>, then the screen automatically turns to twin pictures mode.
(4) Press the [OK] key to save the value.</td></tr>
<tr><td colspan="4">

White part
White part to be white.
Black and white pattern signal
Black and white pattern signal
Black and white pattern signal
Black and white pattern signal
<NG>
<OK>

Fig.10</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
PAL/SECAM/ NTSC SUB-SCREEN COLOUR	Remote control unit Signal generator		[2. V/C] 16. TWN COL (Sub-screen colour)	**- SUB-SCREEN PAL COLOUR -** (1) Receive a PAL colour bar signal (full field colour bar). (2) Select "2. V/C" from the SERVICE MENU. (3) Adjust <16. TWN COL> (Sub-screen colour) to set the red colour of the colour bar signal in the sub screen to be the reddest. (See Fig.11) If noise is not completely deleted, adjust <16. TWN COL> so that the red colour has the minimum noise. **NOTE:** If you select an adjustment item <16.TWN COL>, then the screen automatically turns to twin pictures mode. (4) Press the [OK] key to save the value. (5) Press the [INFORMATION] key twice to the normal screen. **- SUB-SCREEN SECAM COLOUR -** (6) Receive a SECAM colour bar signal (half colour bar). (7) Select "2. V/C" from the SERVICE MENU. (8) Make similar adjustment of SECAM COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.12) **- SUB-SCREEN NTSC COLOUR -** (9) Input a NTSC 3.58 composite colour bar signal (full field colour bar 75% white). (10) Select "2. V/C" from the SERVICE MENU. (11) Make similar adjustment of NTSC COLOUR in the same way as for "SUB-SCREEN PAL COLOUR". (See Fig.11) (12) Input a NTSC 4.43 composite colour bar signal (full field colour bar 75% white), and then check the red colour of the colour bar signal and confirm that there is no noise or the minimum noise.
 Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B W Y C G M R B Fig.11  Set the red colour of the colour bar to be the deepest. B/W (Except red) COLOUR W Y C G M R B W Y C G M R B Fig.12				

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator		[2. V/C] S13: R GAIN S15: G GAIN S17: B GAIN	(1) Receive a PAL 75% all-white signal. (2) Set colour temperature to "NORMAL." (3) Select "2. V/C" from the SERVICE MENU. (4) Fix one of <S13> (R GAIN), <S15> (G GAIN), or <S17>(B GAIN). Then, lower the other two that are not fixed so that the all-white screen is equally white throughout. **NOTE:** Set one or more of <S13>, <S15>, and <S17> to 255. (5) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (6) Press the [OK] key to save the value.
OSD OFFSET	Remote control unit Signal generator		[4.DD/CM] OSD-G (OSD green offset) OSD-B (OSD blue offset) OSD-R (OSD red offset)	(1) Input a picture whose signal (synchronization state) is stable. (2) Select "4. DD/CM" from the SERVICE MENU. (3) Select <OSD-G>(OSD green offset). If you select <OSD-G>, then the screen turns to OSD adjustment mode. (See Fig.13) (4) Adjust <OSD-G>, <OSD-B>(OSD blue offset), and <OSD-R>(OSD red offset) so that OSD background is in the same colour as its surroundings. When the background is in green, fix <OSD-G> and adjust the other two. When the background is in blue, fix <OSD-B> and adjust the other two. When the background is in red, fix <OSD-R> and adjust the other two. (5) Press the [OK] or [MENU] key to save the value. (6) Check that there is no noise such as horizontal noise. (7) If noise is detected, lower <OSD-G>, <OSD-B>, and <OSD-R> by one level so that no noise is detected.

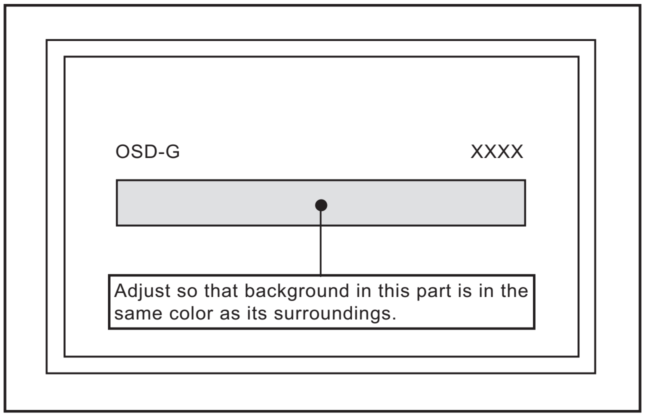

OSD-G
XXXX
Adjust so that background in this part is in the same color as its surroundings.

Fig.13

SECTION 4
TROUBLE SHOOTING

4.1 SELF-DIAGNOSIS FEATURE

4.1.1 OUTLINE

This model has a "Self-diagnosis function," which checks the operation state of the circuits and informs us of a failure by flashing POWER LED when a failure occurs.
Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.
Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

4.1.2 POINTS TO NOTE WHEN USING THE SELF-DIAGNOSIS FEATURE

POWER LED may flash to inform us of a failure in the following cases, in addition to when circuit failure occurs.

(1) Temporary defective transmissions across circuits due to pulse interruptions.
(2) Misalignment in the on/off timing of power for I^2C bus (Vcc) when turning on/off the main power.

4.1.3 DETAILS

Self-diagnosis is performed for the following items

Type of error	Detection part	Receiver unit		Display unit		Detection timing	Unit
		Color of LED	State of POWER LED	Color of LED	POWER LED flash cycle		
Low bias (2.5V / 3.3V / 5V / 9 V) line short	D992 D993 D994 D995 D996 [MAIN PWB]	RED	Light	RED	Flash1.0second / Out1.0second	Detection is performed every 150ms. If nine or more consecutive errors are detected, the power is turned off (and turns to stand-by state).	Receiver
Abnormal rise of temperature in audio part of Display unit	TH6671 [AUDIO PWB]	RED	Flash every 1.0 second	RED	Flash0.1second / Out0.1second	Detection is performed every 1 second. The power is turned off if the temperature sensor operates for 10 seconds or longer.	Display
Abnormal power supply in PDP (PANEL) (short-circuit etc.)	PDP	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 700mS.	Display
Abnormal rise of internal temperature in Display unit	TH101 [PDP POWER PWB]	RED	Flash every 1.0 second	GREEN	Flash0.1second / Out0.1second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 300mS.	Display
Abnormal power supply voltage (5V/Vs/Vd)	IC506 Q606 Q704 [PDP POWER PWB]						
Abnormal operation of PDP (PANEL)	PDP	RED	Flash every 1.0 second	GREEN	Flash1.0second / Out1.0second	Detection starts 5 seconds after the power is turned on. Detection is performed every 16mS. The power is turned off if NG continues for 2000mS.	Display
Abnormal rise of temperature in power supply part of Display unit	IC505 [PDP POWER PWB]	RED	Flash every 1.0 second	GREEN	Flash2.0seconds / Out2.0seconds	Detection is performed every 0.5 second. If a temperature rises beyond the temperature predetermined for detection of error over the predetermined permissible times the power is turned off.	Display

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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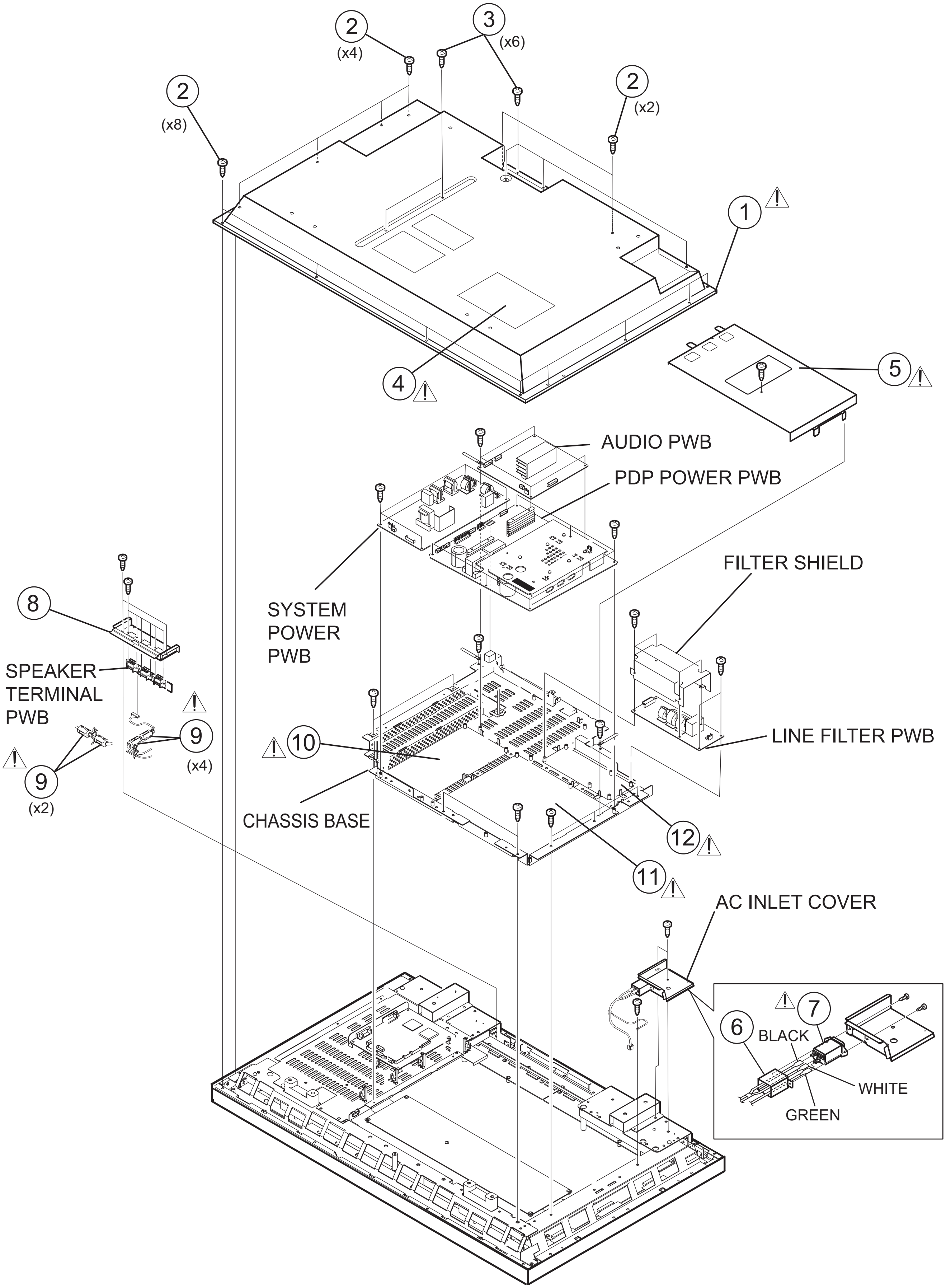
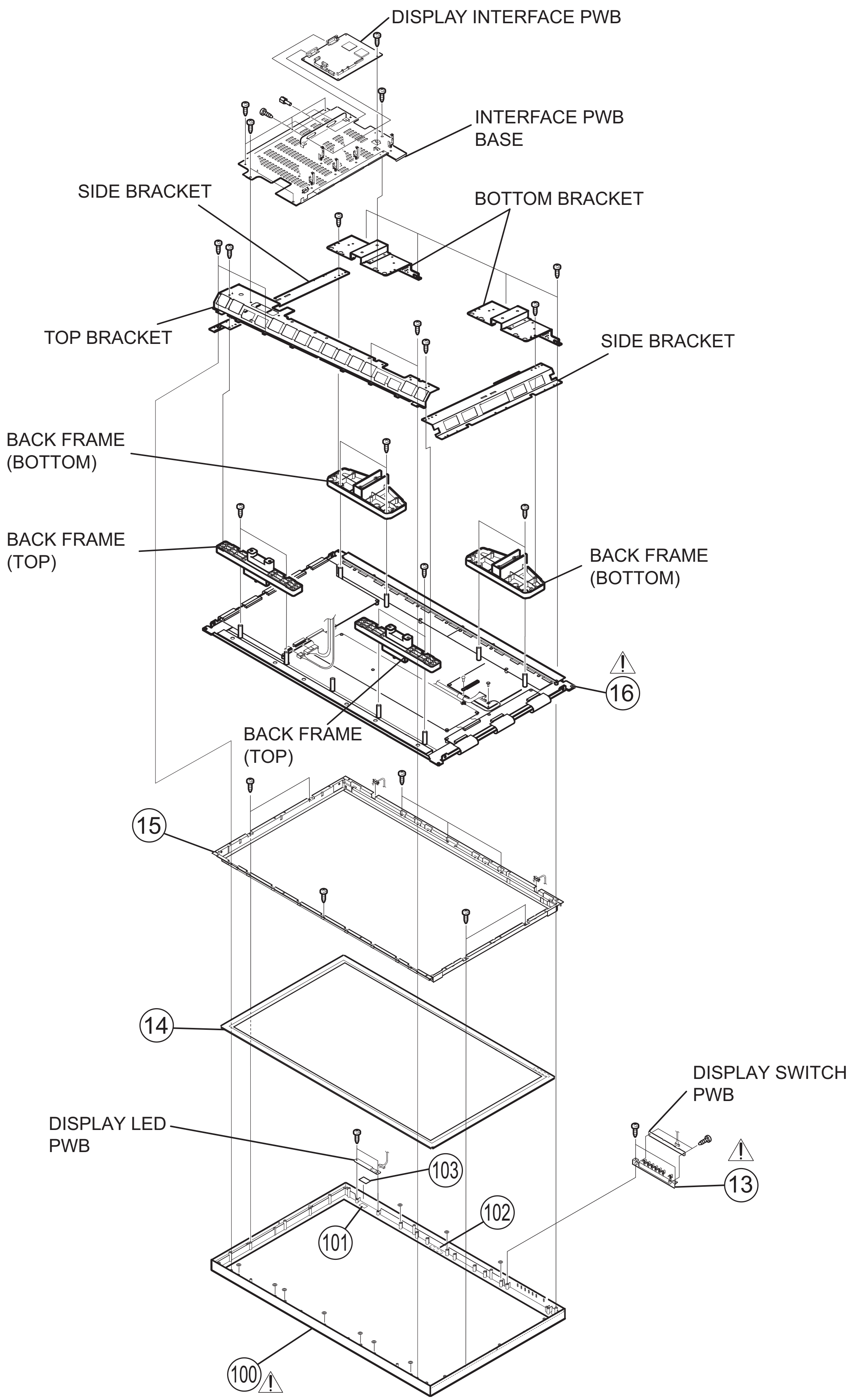
[DISPLAY UNIT : VM-35D30ES]
EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC11530-001A	REAR COVER		
	2	QYSBSFG4016M	TAP SCREW	4mm x 16mm(x14)	
	3	QYSPSPD3008M	SCREW	3mm x 8mm(x6)	
⚠	4	LC21210-002A-0L	RATING LABEL		
⚠	5	LC21214-001A	INSULATOR		
	6	LC31946-001A	INLET SHIELD		
⚠	7	QNC0085-001	AC INLET(NOISE)		
	8	LC21203-002A	TERMINAL COVER		
⚠	9	QQR0491-001	FERRITE CORE	GRAY(x4)	
⚠	10	LC31918-001A	INSULATOR		
⚠	11	LC21037-001A	INSULATOR(A)		
⚠	12	LC32196-001B	INSULATOR(LF)		
⚠	13	LC31972-001E	CONTROL KNOB		
	14	LC32022-001A	FRONT FILTER		
	15	LC21118-002C	FRAME ASSY		
⚠	16	QLE0021-001	P D P		
	17	QQR0675-001	CORE FILTER		
	18	QQR0491-001	CORE FILTER		
⚠	100	LC11377-003A	F.PANEL ASSY	Inc 101, 102, 103	
	101	LC31971-001A	REMOCON WINDOW		
	102	CM47990-002	JVC MARK		
	103	LC41290-001B	LED WINDOW		

EXPLODED VIEW


2
(x4)
3
(x6)
2
(x8)
2
(x2)
1
4
5
AUDIO PWB
PDP POWER PWB
SYSTEM
POWER
PWB
FILTER SHIELD
8
SPEAKER
TERMINAL
PWB
9
(x4)
9
(x2)
10
LINE FILTER PWB
CHASSIS BASE
12
11
AC INLET COVER
6
7
BLACK
WHITE
GREEN


DISPLAY INTERFACE PWB
INTERFACE PWB BASE
SIDE BRACKET
BOTTOM BRACKET
TOP BRACKET
SIDE BRACKET
BACK FRAME (BOTTOM)
BACK FRAME (TOP)
BACK FRAME (BOTTOM)
16
BACK FRAME (TOP)
15
14
DISPLAY SWITCH PWB
DISPLAY LED PWB
103
13
102
101
100

PRINTED WIRING BOARD PARTS LIST

AUDIO PW BOARD ASS'Y (SMK-6066A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC6501	BA4558F-X	IC		
IC6521	NJW1137M-W	IC		
IC6551	BA4558F-X	IC		
IC6552	BA4558F-X	IC		
IC6571	BA4558F-X	IC		
IC6621	TA8270H	IC		
Q6521	2SD601A/QR/-X	TRANSISTOR		
Q6522	2SD601A/QR/-X	TRANSISTOR		
Q6523	2SB709A/QR/-X	TRANSISTOR		
Q6531	2SD601A/QR/-X	TRANSISTOR		
Q6532	2SD601A/QR/-X	TRANSISTOR		
Q6533	2SD601A/QR/-X	TRANSISTOR		
Q6534	2SB709A/QR/-X	TRANSISTOR		
Q6601	2SD601A/QR/-X	TRANSISTOR		
Q6603	2SB709A/QR/-X	TRANSISTOR		
Q6641	2SD601A/QR/-X	TRANSISTOR		
Q6642	2SB709A/QR/-X	TRANSISTOR		
Q6643	2SD601A/QR/-X	TRANSISTOR		
D6621	MA3330/L/-X	Z DIODE		
D6622	MA3330/L/-X	Z DIODE		
D6623	MA3330/L/-X	Z DIODE		
D6624	MA3330/L/-X	Z DIODE		
D6625	MA3330/L/-X	Z DIODE		
D6626	MA3330/L/-X	Z DIODE		
D6627	MA3330/L/-X	Z DIODE		
D6628	MA3330/L/-X	Z DIODE		
D6641	MA111-X	SI DIODE		
D6642	MA111-X	SI DIODE		
D6643	MA111-X	SI DIODE		
C6501	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6502	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6503	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6504	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6505	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6506	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6507	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6509	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6510	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6511	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6512	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6527	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6534	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6552	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6558	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6559	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C6571	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6572	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C6573	NCB21EK-274X	C CAPACITOR	0.27uF 25V K	
C6574	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6575	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6603	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6604	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6621	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6622	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6623	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6624	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C6625	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6626	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C6627	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C6628	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6629	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6630	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6631	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6632	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6633	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6634	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6635	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6636	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	
C6641	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6642	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6643	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6651	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6681	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6682	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6683	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
C6684	QETN1CM-228Z	E CAPACITOR	2200uF 16V M	
R6421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6501	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6502	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6503	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6504	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6505	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6506	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6507	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6508	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6509	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6510	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6511	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6512	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R6513	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6521	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6522	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6523	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6524	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6527	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6528	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6551	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6552	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6555	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6558	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6559	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R6560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6565	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6566	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6571	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6572	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6573	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R6574	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6575	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6576	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6591	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R6595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R6601	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6603	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6605	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6607	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6608	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6609	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R6610	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6611	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6612	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6613	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6615	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6616	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
⚠R6621	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6622	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6623	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6624	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6625	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6626	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6627	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
⚠R6628	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J	
R6641	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6642	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6643	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R6645	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6646	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R6647	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6648	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6649	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6653	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6654	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6672	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6673	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R6674	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6681	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6682	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6683	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
R6684	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	
CN600K	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN60CA	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN60CE	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN60CF	QGA2501C5-08Z	CONNECTOR	W-B (1-8)	
CN60SP	QGA2501C1-09	CONNECTOR	W-B (1-9)	
H6621	LC32130-002A	HEAT SINK/AL-F/		
TH6671	QAD0125-471	P THERMISTOR	470Ω	

SPEAKER TERMINAL PW BOARD ASS'Y
(SMK-6166A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
C7002	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7003	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7102	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C7103	NCB11CK-105X	C CAPACITOR	1uF 16V K	
CN70SP	QGA2501C1-09	CONNECTOR	W-B (1-9)	
J7001	CEMT019-001	SP TERMINAL	FRONT R	
J7002	CEMT019-001	SP TERMINAL	FRONT L	
J7003	CEMT019-001	SP TERMINAL	SUB WOOFER	

DISPLAY INTERFACE PW BOARD ASS'Y
(SSB-7367A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC301	MN82860	IC		
IC401	JCC5056A	IC		
IC405	R1170H251B-X	IC		
IC501	SII169CT100	IC		
IC502	S-80828CLNB-W	IC		
IC601	DS90C387VJD	IC		
IC602	DS90LV018ATM-X	IC		
IC603	TC7SZ08F-X	IC(DIGITAL)		
IC801	BA033FP-X	IC		
IC802	BA05FP-X	IC		
IC803	ICL3221CA-X	IC		
IC804	TC74HC4053AFT-X	IC(DIGITAL)		
IC805	AT24C16-35D30ES	IC	(SERVICE)	
IC807	HD64F3687H	IC(MCU)		
IC808	TC74VHCT541AFTX	IC		
IC809	S-80840CLNB-W	IC		
IC810	TC74VHC541FT-X	IC		
Q703	2SK1374-X	MOS FET		
Q704	2SK1374-X	MOS FET		
Q801	2SK1374-X	MOS FET		
Q802	2SK1374-X	MOS FET		
Q803	2SB709A/QR/-X	TRANSISTOR		
Q804	2SD601A/QR/-X	TRANSISTOR		
D501	BAV99L-X	SI DIODE		
D502	BAV99L-X	SI DIODE		
D503	BAV99L-X	SI DIODE		
D504	BAV99L-X	SI DIODE		
D505	BAV99L-X	SI DIODE		
D506	BAV99L-X	SI DIODE		
D507	BAV99L-X	SI DIODE		
D508	BAV99L-X	SI DIODE		
D509	BAV99L-X	SI DIODE		
D510	BAV99L-X	SI DIODE		
D611	MA3056/M/-X	Z DIODE		
D803	MA111-X	SI DIODE		
D804	MA3056/M/-X	Z DIODE		
D901	1SS355-X	SI DIODE		
D902	1SS355-X	SI DIODE		
C301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C302	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C303	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C312	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C329	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C330	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C402	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C403	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C404	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C406	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C408	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C413	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C415	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C417	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C418	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C419	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C420	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C421	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C501	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C502	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C503	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C514	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C517	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C601	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C602	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C603	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C604	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C605	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C606	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C609	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C612	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C613	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C614	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C805	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C806	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C807	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C810	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C815	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C821	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C824	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C829	NEH70JM-226X	E CAPACITOR	22uF 6.3V M	
C830	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R307	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R314	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R315	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R316	NRSA63J-564X	MG RESISTOR	560kΩ 1/16W J	
R317	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R319	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R320	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R323	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R324	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R325	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R330	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R404	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R408	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R409	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R413	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R416	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R417	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R418	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R419	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R420	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
R421	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R423	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R424	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R425	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R428	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R505	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R506	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R507	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R508	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R509	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R511	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R512	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R515	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R531	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R603	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R604	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R605	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R606	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R607	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R608	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R609	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R610	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R611	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R612	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R614	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R615	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R616	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R618	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R623	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R624	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R626	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R805	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R812	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R813	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R818	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R819	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R820	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R821	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R822	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R824	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R827	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R828	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R829	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R830	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R831	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R833	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R840	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R841	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R842	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R843	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R851	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R852	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R864	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R865	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R873	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R875	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R883	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R888	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R889	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R890	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R891	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R893	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R894	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R899	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R900	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R901	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R902	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R903	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R914	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R915	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R916	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R917	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R918	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R919	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R920	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R921	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R922	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R923	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R924	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R925	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R929	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R930	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RA601	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA602	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA603	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA604	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA605	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA606	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA607	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA608	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
L301	NQR0351-001X	FERRITE BEADS		
L302	NQR0351-001X	FERRITE BEADS		
L401	NQR0351-001X	FERRITE BEADS		
L402	NQR0351-001X	FERRITE BEADS		
L501	NQR0351-001X	FERRITE BEADS		
L601	NQR0351-001X	FERRITE BEADS		
L801	NQR0351-001X	FERRITE BEADS		
L802	NQR0351-001X	FERRITE BEADS		
CN0AH	QGA1211C2-31X	CONNECTOR	W-B (1-31)	
CN0AV	QGA2501C5-07	CONNECTOR	W-B (1-7)	
CN0C1	QGA2501C5-06	CONNECTOR	W-B (1-6)	
CN0C2	QGA2001C1-09	CONNECTOR	W-B (1-9)	
CN0CB	QGA2501C1-09	CONNECTOR	W-B (1-9)	
CN0CC	QGA2501C5-08	CONNECTOR	W-B (1-8)	
CN0CD	QGA2501C5-06	CONNECTOR	W-B (1-6)	
CN0CE	QGA2501C5-06	CONNECTOR	W-B (1-6)	
CN0CF	QGA2501C5-08	CONNECTOR	W-B (1-8)	
CNDVI	QNZ0580-001	D CONNECTOR	DISPLAY INPUT	
CNMDR	QNZ0576-001	D CONNECTOR	DISPLAY INPUT	
K301	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K801	NQR0351-001X	FERRITE BEADS		
K802	NQR0351-001X	FERRITE BEADS		
K803	NQR0351-001X	FERRITE BEADS		
K804	NQR0351-001X	FERRITE BEADS		
X801	QAX0534-001	C RESONATOR		
Y801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

PDP POWER PW BOARD ASS’Y (SMK-9067A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	FA5502M-W	IC		
IC501	STR-F6672/F3	IC		
IC502	NJM431U-XE	IC		
IC505	TCN75-5.0MOA-X	IC		
IC506	S-80840CLNB-W	IC		
⚠IC601	STR-F6268S-F3	IC		
IC602	NJM431U-XE	IC		
IC701	STR-F6264-F3	IC		
IC702	NJM431U-XE	IC		
Q101	2SK2196	POWER MOS FET		
Q102	2SK2196	POWER MOS FET		
Q103	2SB1143/S/	TRANSISTOR		
Q104	2SB1143/S/	TRANSISTOR		
Q105	2SC3074/OY/-X	TRANSISTOR		
Q106	2SA1244/OY/-X	SI TRANSISTOR		
Q107	2SD601A/QR/-X	TRANSISTOR		
Q108	SF0R1A42-T	SCR		
Q201	2SD601A/QR/-X	TRANSISTOR		
Q501	2SD601A/QR/-X	TRANSISTOR		
Q503	2SD601A/QR/-X	TRANSISTOR		
Q504	2SD601A/QR/-X	TRANSISTOR		
Q506	2SD601A/QR/-X	TRANSISTOR		
Q507	2SD601A/QR/-X	TRANSISTOR		
Q510	2SB709A/QR/-X	TRANSISTOR		
Q511	2SB709A/QR/-X	TRANSISTOR		
Q512	2SD601A/QR/-X	TRANSISTOR		

⚠Ref No.	Part No.	Part Name	Description	Local
Q601	2SB709A/QR/-X	TRANSISTOR		
Q602	2SD601A/QR/-X	TRANSISTOR		
Q603	2SD601A/QR/-X	TRANSISTOR		
Q605	2SK2470-01MR-F1	POWER MOS FET		
Q606	2SD601A/QR/-X	TRANSISTOR		
Q607	2SD601A/QR/-X	TRANSISTOR		
Q701	2SD601A/QR/-X	TRANSISTOR		
Q703	2SK2459N-F54	POWER MOS FET		
Q704	2SD601A/QR/-X	TRANSISTOR		
Q705	2SD601A/QR/-X	TRANSISTOR		
D001	D25XB60	BRIDGE DIODE		
D002	MA111-X	SI DIODE		
D101	D1FS4-X	SB DIODE		
D102	D1FS4-X	SB DIODE		
D103	D1FS4-X	SB DIODE		
D104	D1FS4-X	SB DIODE		
D105	YG912S6	SI DIODE		
D106	MA8051/M/-X	Z DIODE		
D107	MA8110/H/-X	Z DIODE		
D151	S1WB/A/60-X	BRIDGE DIODE		
D152	MTZJ22B-T2	Z DIODE		
D502	MTZJ27B-T2	Z DIODE		
D503	MTZJ5.1B-T2	Z DIODE		
D504	D1FL20U-X	SI DIODE		
D505	MA111-X	SI DIODE		
D507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D508	AU01Z-T2	FR DIODE		
D510	AU01Z-T2	FR DIODE		
D511	SARS01-T2	SI DIODE		
D512	SARS01-T2	SI DIODE		
D516	FMJ-23L-F2	SB DIODE		
D517	MA111-X	SI DIODE		
D518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D519	MA111-X	SI DIODE		
D524	MA8330/M/-X	Z DIODE		
D525	MA8330/M/-X	Z DIODE		
D526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D527	AU01Z-T2	FR DIODE		
D528	MA111-X	SI DIODE		
D529	MA8091/M/-X	Z DIODE		
D533	MA111-X	SI DIODE		
D534	D1FL20U-X	SI DIODE		
D601	MA8220/M/-X	Z DIODE		
D602	MTZJ33B-T2	Z DIODE		
D603	MTZJ5.1B-T2	Z DIODE		
D604	MTZJ12C-T2	Z DIODE		
D606	AU01Z-T2	FR DIODE		
D607	PTZ6.8B-X	Z DIODE		
D608	MA111-X	SI DIODE		
D609	D1FL20U-X	SI DIODE		
D610	PTZ6.8B-X	Z DIODE		
D611	SARS01-T2	SI DIODE		
D612	SARS01-T2	SI DIODE		
D613	FMG-G2CS	SI DIODE		
D614	MTZJ27B-T2	Z DIODE		
D615	MTZJ12C-T2	Z DIODE		
D616	MA111-X	SI DIODE		
D617	MA111-X	SI DIODE		
D618	MA8330/M/-X	Z DIODE		
D619	MA8330/M/-X	Z DIODE		
D620	MA8330/M/-X	Z DIODE		
D621	D1FL20U-X	SI DIODE		
D622	MA8330/M/-X	Z DIODE		
D623	MA111-X	SI DIODE		
D702	MTZJ33B-T2	Z DIODE		
D703	MTZJ5.1B-T2	Z DIODE		
D705	AU01Z-T2	FR DIODE		
D706	PTZ8.2B-X	Z DIODE		
D707	PTZ8.2B-X	Z DIODE		
D708	MTZJ12C-T2	Z DIODE		
D709	SARS01-T2	SI DIODE		
D710	SARS01-T2	SI DIODE		
D711	FML-G14S	SI DIODE		
D712	MTZJ27B-T2	Z DIODE		
D713	MA111-X	SI DIODE		
D714	MTZJ12C-T2	Z DIODE		
D715	MA111-X	SI DIODE		
D716	MA8330/M/-X	Z DIODE		
D717	MA111-X	SI DIODE		
D718	D1FL20U-X	SI DIODE		
D719	MA111-X	SI DIODE		
⚠PC101	PC123FY2	PHOTO COUPLER		
⚠PC501	PC123FY2	PHOTO COUPLER		
⚠PC502	PC123FY2	PHOTO COUPLER		
⚠PC601	PC123FY2	PHOTO COUPLER		

⚠Ref No.	Part No.	Part Name	Description	Local
⚠PC602	PC123FY2	PHOTO COUPLER		
⚠PC701	PC123FY2	PHOTO COUPLER		
⚠PC702	PC123FY2	PHOTO COUPLER		
⚠C001	QFZ9075-474	MPP CAPACITOR	0.47uF AC275V M	
⚠C002	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C003	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C004	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C005	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
C101	QFZ0128-474	MPP CAPACITOR	0.47uF DC400V H	
C102	QEZ0580-157	E CAPACITOR	150uF 450V M	
C103	QEZ0580-157	E CAPACITOR	150uF 450V M	
C104	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C105	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C108	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C109	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C110	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C111	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C112	NCB21EK-154X	C CAPACITOR	0.15uF 25V K	
C113	QEHR1VM-107Z	E CAPACITOR	100uF 35V M	
C117	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C502	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C503	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C504	QCZ0340-151	C CAPACITOR	150pF 2kV K	
C505	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C506	QCZ0340-152	C CAPACITOR	1500pF 2kV K	
C508	NCB31HK-122X	C CAPACITOR	1200pF 50V K	
C509	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C511	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C515	QCB31HK-102Z	C CAPACITOR	1000pF 50V K	
C516	QTMT1CM-478	E CAPACITOR	4700uF 16V M	
C517	QFV21HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C518	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C519	QTMT1CM-478	E CAPACITOR	4700uF 16V M	
C521	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C524	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C525	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C529	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C535	QEHR1HM-106Z	E CAPACITOR	10uF 50V M	
C536	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	
C537	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C539	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C540	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C541	QEHR2AM-106Z	E CAPACITOR	10uF 100V M	
C601	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C603	QCZ0340-331	C CAPACITOR	330pF 2kV K	
C604	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C605	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C606	QCZ0340-152	C CAPACITOR	1500pF 2kV K	
C608	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C609	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C610	QCZ0340-681	C CAPACITOR	680pF 2kV K	
C611	QEZ0612-827	E CAPACITOR	820uF 250V M	
C612	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C613	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C614	QCZ0340-331	C CAPACITOR	330pF 2kV K	
C616	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J	
C617	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J	
C620	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	
C701	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C702	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C703	QCZ0340-821	C CAPACITOR	820pF 2kV K	
C704	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C705	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C706	QCZ0340-152	C CAPACITOR	1500pF 2kV K	
C708	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C709	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C711	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
C712	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C713	QEHQ2AM-477	E CAPACITOR	470uF 100V M	
C714	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C715	QFLC2AJ-103Z	M CAPACITOR	0.01uF 100V J	
C717	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
R001	QRZ0123-100	UNF WW RESISTOR	10Ω 7W J	
R002	QRL039J-121	OMF RESISTOR	120Ω 3W J	
R003	QRZ0123-100	UNF WW RESISTOR	10Ω 7W J	
R101	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R102	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R103	QRM059J-R12	MP RESISTOR	0.12Ω 5W J	
R104	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
⚠R105	QRZ9017-220	FUSI RESISTOR	22Ω 1/4W J	
R106	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
⚠R107	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
⚠R109	QRZ9017-220	FUSI RESISTOR	22Ω 1/4W J	
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
⚠R111	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R113	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R115	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R116	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R117	QRK126J-820X	UNF C RESISTOR	82Ω 1/2W J	
R119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R120	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R121	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R122	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R123	NRVA63D-152X	CMF RESISTOR	1.5kΩ 1/16W D	
R124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R126	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R127	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R128	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R129	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R131	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F	
R132	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F	
R133	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F	
R136	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R138	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R141	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R145	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R151	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J	
R152	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J	
R156	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J	
R201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R202	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R203	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R501	QRL039J-333	OMF RESISTOR	33kΩ 3W J	
R502	QRL039J-333	OMF RESISTOR	33kΩ 3W J	
R503	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R504	QRM059J-R68	MP RESISTOR	0.68Ω 5W J	
R505	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R509	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R510	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	
R511	QRK126J-332X	UNF C RESISTOR	3.3kΩ 1/2W J	
R513	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J	
R514	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R515	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R516	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R517	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
R518	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R519	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R520	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R521	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R522	QRL029J-101	OMF RESISTOR	100Ω 2W J	
R524	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R525	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R526	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R528	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R529	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R530	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R533	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R536	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R544	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R545	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R547	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R549	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R555	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R556	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R557	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R560	QRE121J-334Y	C RESISTOR	330kΩ 1/2W J	
R561	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R563	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R564	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R572	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R584	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R586	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J	
R589	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R590	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R601	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R602	QRM059J-R10	MP RESISTOR	0.1Ω 5W J	
R603	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R604	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R605	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R607	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R608	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R609	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R612	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R614	QRE121J-824Y	C RESISTOR	820kΩ 1/2W J	
R615	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R616	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R617	QRL039J-333	OMF RESISTOR	33kΩ 3W J	
R618	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R619	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R620	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R621	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R624	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R625	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	
R626	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	
R627	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R628	QVP0087-501Z	TRIM RESISTOR	500Ω 0.3W N	
R629	NRSA63D-202X	MG RESISTOR	2kΩ 1/16W D	
R630	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R631	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R632	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R633	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R635	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R636	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R637	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R638	QRE121J-563Y	C RESISTOR	56kΩ 1/2W J	
R639	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R640	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R642	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R643	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R646	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R647	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R701	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R702	QRM059J-R27	MP RESISTOR	0.27Ω 5W J	
R703	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R705	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R706	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R708	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R709	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
R710	QRL039J-220	OMF RESISTOR	22Ω 3W J	
⚠R711	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R712	QRG01GJ-682	OMF RESISTOR	6.8kΩ 1W J	
R714	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R715	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R718	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R719	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	
R720	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R721	QVP0087-202Z	TRIM RESISTOR	2kΩ 0.3W N	
R722	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R723	QRZ0121-200	UNF WW RESISTOR	20Ω 5W J	
R724	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R725	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R726	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R727	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R728	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R730	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R731	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J	
R732	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R734	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R735	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L101	QQR1375-001	CHOKE COIL		
L501	QQL50AM-3R3Z	COIL	3.3uH M	
⚠T501	QQS0136-001	SW TRANSF		
⚠T601	QQS0193-001	SW TRANSF		
⚠T602	QQS0193-001	SW TRANSF		
⚠T701	QQS0194-001	SW TRANSF		
CN00J	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN0AT	QGA3901C1-04	CONNECTOR	W-B (1-4)	
CN0AU	QGA3901C1-10	CONNECTOR	W-B (1-10)	
CN0AV	QGA2501C5-07Z	CONNECTOR	W-B (1-7)	
CN0C4	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
⚠CP101	QMFZ043-5R0Z-J1	FUSE	5A	
H102	LC31942-001A	HEAT SINK/AL-F/		
H103	LC31942-001A	HEAT SINK/AL-F/		
H104	LC21240-001B	POWER HEAT SINK		
H501	LC31942-001A	HEAT SINK/AL-F/		
H502	LC31942-001A	HEAT SINK/AL-F/		
H503	LC31942-001A	HEAT SINK/AL-F/		
H504	LC31942-001A	HEAT SINK/AL-F/		
K504	QQR0621-002Z	FERRITE BEADS		
K505	QQR0621-002Z	FERRITE BEADS		

⚠Ref No.	Part No.	Part Name	Description	Local
K604	QQR0621-002Z	FERRITE BEADS		
K605	QQR0621-002Z	FERRITE BEADS		
K703	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K704	QQR0621-002Z	FERRITE BEADS		
K705	QQR0621-002Z	FERRITE BEADS		
RY001	QSK0078-001	RELAY		
TH101	QAD0125-471	P THERMISTOR	470Ω	
Y505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

SYSTEM POWER PW BOARD ASS’Y (SMK-9166A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9142	PQ05RF11	IC		
⚠IC9221	STR-F6267S-F3	IC		
IC9242	SE012N-LF12	IC		
IC9262	PQ1CG2032FZ	IC		
IC9263	PQ12RF1	IC		
Q9141	2SC2412K/QR/-X	TRANSISTOR		
Q9142	2SC2411K/QR/-X	TRANSISTOR		
Q9143	2SC2412K/QR/-X	TRANSISTOR		
⚠D9111	S1WB/A/60-4101	BRIDGE DIODE		
D9141	MA111-X	SI DIODE		
D9142	MA111-X	SI DIODE		
D9144	1SR35-400A-T2	SI DIODE		
⚠D9211	D2SBA60	BRIDGE DIODE		
D9212	EU2-T3	SI DIODE		
D9221	SARS01-T2	SI DIODE		
D9222	AU01Z-T2	FR DIODE		
D9223	AU01Z-T2	FR DIODE		
D9224	MA111-X	SI DIODE		
D9241	SF10SC4-F1	SB DIODE		
D9243	RU3YX-LFC4	SI DIODE		
D9263	SF5S4	SB DIODE		
D9264	PTZ6.8B-X	Z DIODE		
D9265	1SR35-400A-T2	SI DIODE		
⚠PC9241	PC123FY2	PHOTO COUPLER		
⚠C9111	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9112	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9113	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9114	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9121	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9122	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9141	QEHR1EM-107Z	E CAPACITOR	100uF 25V M	
C9144	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9201	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
⚠C9202	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
⚠C9203	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
⚠C9204	QCZ9078-102	C CAPACITOR	1000pF AC250V M	
C9211	QEZ0199-157	E CAPACITOR	150uF 400V M	
C9221	QCZ0340-152	C CAPACITOR	1500pF 2kV K	
C9222	QCZ0340-561	C CAPACITOR	560pF 2kV K	
C9225	QFLC1HJ-122Z	M CAPACITOR	1200pF 50V J	
C9226	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C9227	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	
C9228	QFLC1HJ-221Z	M CAPACITOR	220pF 50V J	
C9229	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	
C9242	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9244	QEZ0257-477	E CAPACITOR	470uF 25V M	
C9247	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9265	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9267	QEHR1AM-108Z	E CAPACITOR	1000uF 10V M	
C9268	QEHR0JM-477Z	E CAPACITOR	470uF 6.3V M	
C9269	QEHR1EM-477Z	E CAPACITOR	470uF 25V M	
C9270	QEHR1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C9299	QCZ9079-102	C CAPACITOR	1000pF AC250V M	
R9111	QRF054K-3R3	UNF WW RESISTOR	3.3Ω 5W K	
R9121	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R9122	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J	
R9141	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9142	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9143	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R9201	QRF074K-3R3	UNF WW RESISTOR	3.3Ω 7W K	
R9221	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R9222	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R9223	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R9224	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R9226	QRK126J-152X	UNF C RESISTOR	1.5kΩ 1/2W J	
R9227	QRL029J-683	OMF RESISTOR	68kΩ 2W J	
R9228	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R9229	QRK126J-221X	UNF C RESISTOR	220Ω 1/2W J	
R9233	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R9234	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9241	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R9243	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R9244	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9263	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R9264	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9266	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D	
R9267	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9268	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠R9299	QRZ0057-825	C RESISTOR	8.2MΩ 1W J	
L9111	QQL26AM-4R7Z	COIL	4.7uH M	
L9265	QQR1128-001	CHOKE COIL		
L9266	QQL26AK-220Z	COIL	22uH K	
L9267	QQL26AK-470Z	COIL	47uH K	
L9269	QQL26AK-470Z	COIL	47uH K	
⚠T9111	QAL0425-001	POWER MODULE		
⚠T9221	QQS0189-001	SW TRANSF		
CN900J	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN900K	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN900P	QGA7901C1-04	CONNECTOR	W-B (1-4)	
CN90CA	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN90CB	QGA2501C1-09	CONNECTOR	W-B (1-9)	
⚠CP9243	ICP-N50-Y	IC PROTECTOR	2.0A	
⚠F9011	QMF51D2-3R15J1	FUSE	3.15A AC250V	
⚠F9221	QMFZ043-4R0Z-J1	FUSE	4A	
FC9011	CEMG002-001Z	FUSE CLIP		
FC9012	CEMG002-001Z	FUSE CLIP		
H9221	LC32162-001A	HEAT SINK/AL-F/		
H9241	CM42862-A0A	HEAT SINK ASSY		
H9262	CEHT11B-002QS	HEAT SINK		
K9241	QQR0621-002Z	FERRITE BEADS		
K9242	QQR0621-002Z	FERRITE BEADS		
K9243	QQR0621-002Z	FERRITE BEADS		
⚠LF9001	QQR1376-001	LINE FILTER		
⚠LF9002	QQR1376-001	LINE FILTER		
⚠LF9011	QQR1084-002	LINE FILTER		
⚠RY9101	QSK0119-001	RELAY		
⚠RY9102	QSK0090-001	RELAY		
Y9242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y9246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

LINE FILTER PW BOARD ASS’Y (SMK-9266A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
⚠C901	QFZ9075-225	MPP CAPACITOR	2.2uF AC275V M	
⚠C911	QCZ9079-681	C CAPACITOR	680pF AC250V K	
⚠C914	QCZ9079-681	C CAPACITOR	680pF AC250V K	
R902	QRK129J-105	UNF C RESISTOR	1MΩ 1/2W J	
CN00P	QGA7901F1-04	CONNECTOR	W-B (1-4)	
CN0PW	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠F901	QMFZ041-100-J1	FUSE	10A	
FC901	A49593	CONNECTOR CLIP		
FC902	A49593	CONNECTOR CLIP		
⚠LF901	QQR1281-002	LINE FILTER		
⚠LF902	QQR1281-003	LINE FILTER		
⚠LF903	QQR1376-001	LINE FILTER		
⚠LF904	QQR1281-002	LINE FILTER		

DISPLAY LED PW BOARD ASS’Y (SMK0L266A-U2)

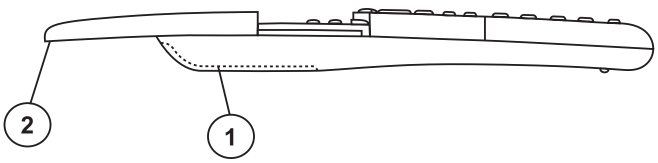
⚠Ref No.	Part No.	Part Name	Description	Local
IC1742	GP1UA261XK	IR DETECT UNIT	38kHz	
Q1741	UN2212-X	DIGI TRANSISTOR		
Q1742	UN2212-X	DIGI TRANSISTOR		
D1743	SPR-39MVWF	LED	RED-GREEN	
C1742	QER61CM-476Z	E CAPACITOR	47uF 16V M	
C1743	QER61HM-105Z	E CAPACITOR	1uF 50V M	
R1741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1743	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1744	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1750	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1754	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1757	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1758	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
CN10CC	QGA2501F1-08	CONNECTOR	W-B (1-8)	

DISPLAY SWITCH PW BOARD ASS'Y (SMK0L366A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
R2701	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2702	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2703	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R2704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
CN20CD	QGA2501F1-06	CONNECTOR	W-B (1-6)	
S2701	QSW0619-003Z	TACT SWITCH	VOL+	
S2702	QSW0619-003Z	TACT SWITCH	CH-	
S2703	QSW0619-003Z	TACT SWITCH	MENU / OK	
S2704	QSW0619-003Z	TACT SWITCH	TV / AV	
S2705	QSW0619-003Z	TACT SWITCH	CH+	
S2706	QSW0619-003Z	TACT SWITCH	VOL-	
S2707	QSW0619-003Z	TACT SWITCH	POWER	

REMOTE CONTROL UNIT PARTS LIST (RM-C61-1C)



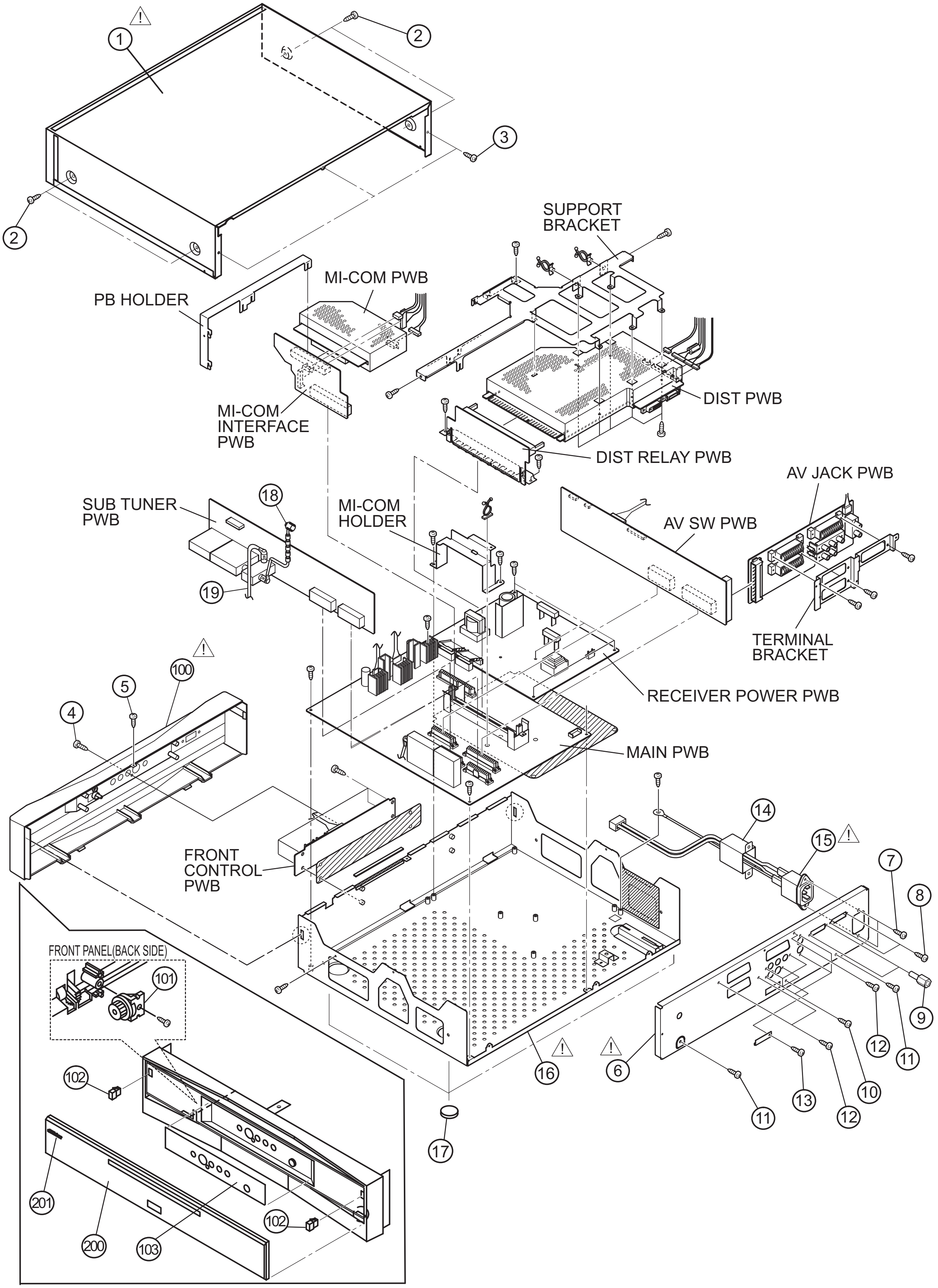
⚠ Ref.No.	Part No.	Part Name	Description	Local
1	2AA027770	BATTERY DOOR		
2	2AA027760	COVER		

[RECEIVER UNIT : TU-35D30ES]

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC11331-004A	TOP COVER		
	2	CM43096-002	SPECIAL SCREW	(x4)	
	3	QYSBSG3008N	TAP SCREW	3mm x 8mm(x3)	
	4	QYSBSF3010M	TAP SCREW	3mm x 10mm	
	5	QYSDSG3008N	TAPPING SCREW	3mm x 8mm	
⚠	6	LC21207-002A	BACK COVER		
	7	QYSPSPL3008M	SCREW	3mm x 8mm(x2)	
	8	QYSPSPL2608N	SCREW	2.6mm x 8mm(x2)	
	9	QNZ0588-001	HEX. SCREW	(x2)	
	10	QYSBSF3010M	TAP SCREW	3mm x 10mm(x6)	
	11	QYSBSG3008N	TAP SCREW	3mm x 8mm(x2)	
	12	QYSBSG3008N	TAP SCREW	3mm x 8mm(x3)	
	13	QYSBSG3008N	TAP SCREW	3mm x 8mm	
	14	LC31946-001A	INLET SHIELD		
⚠	15	QNC0085-002	AC INLET(NOISE)		
⚠	16	LC11330-002C	BOTTOM CASE		
	17	LC41284-001A	FOOT	(x4)	
	18	CHGY0017-0B-UK	COAXIAL ASSY		
	19	WJX0013-001A	COAXIAL ASSY		
⚠	100	LC11328-008A	F.PANEL ASSY	Inc 101, 102, 103	
	101	QZW0055-003	DAMPER		
	102	QZW0063-001	MAGNET LATCH		
	103	LC31917-001B	CONTROL PLATE		
	200	LC21099-003A	DOOR ASSY	Inc 201	
	201	PQ45130-6	JVC MARK		

EXPLODED VIEW


⚠
1
2
3
2
SUPPORT
BRACKET
MI-COM PWB
PB HOLDER
DIST PWB
MI-COM
INTERFACE
PWB
DIST RELAY PWB
AV JACK PWB
SUB TUNER
PWB
18
MI-COM
HOLDER
AV SW PWB
19
TERMINAL
BRACKET
⚠
100
5
4
RECEIVER POWER PWB
MAIN PWB
14
15 ⚠
7
8
FRONT
CONTROL
PWB
FRONT PANEL(BACK SIDE)
101
9
12
11
⚠
⚠
16
6
10
102
13
12
11
17
201
102
200
103

PRINTED WIRING BOARD PARTS LIST

MAIN PW BOARD ASS'Y (SMK-1301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC		
IC202	TC7W08F-X	IC		
IC701	AT24LC6435D30ES	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC		
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC907	AN78L05-T	IC		
IC908	PQ15RW11	IC		
Q001	2SC2412K/QR/-X	TRANSISTOR		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SC2412K/QR/-X	TRANSISTOR		
Q111	2SC2412K/QR/-X	TRANSISTOR		
Q112	2SC2412K/QR/-X	TRANSISTOR		
Q113	2SC2412K/QR/-X	TRANSISTOR		
Q620	2SA1037AK/QR/-X	TRANSISTOR		
D609	MA111-X	SI DIODE		
D610	MA111-X	SI DIODE		
D614	MA111-X	SI DIODE		
D616	MA111-X	SI DIODE		
D619	MA111-X	SI DIODE		
D620	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D902	RK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C010	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C634	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C909	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C914	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C922	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C923	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C924	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R652	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R653	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R904	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R906	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L432	QQL26AK-100Z	COIL	10uH K	
L433	QQL26AK-100Z	COIL	10uH K	
L902	QQR1129-003	CHOKE COIL		
L903	QQL50AK-330Z	COIL	33uH K	
L905	QQR1127-003	CHOKE COIL		
L906	QQL26AK-220Z	COIL	22uH K	
L907	QQL26AK-820Z	COIL	82uH K	
L908	QQR1127-003	CHOKE COIL		
L909	QQL50AK-100Z	COIL	10uH K	
CN001	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN004	QGB1232J1-50	B TO B CONNE		
CN005	QGC2507C1-96	CONNECTOR	(1-96)	
CN006	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN008	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN00B	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN00C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN016	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
CN018	QGB1505J1-25	CONNECTOR	B-B (1-25)	
HS902	CM42862-A0A	HEAT SINK ASSY		
HS903	CM42862-A0A	HEAT SINK ASSY		
HS904	CM42862-A0A	HEAT SINK ASSY		
HS913	CEHT11B-002QS	HEAT SINK		
HS914	CEHT11B-002QS	HEAT SINK		
K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K902	CE42050-001Z	BEADS CORE		
K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K904	CE42050-001Z	BEADS CORE		
TU001	QAU0270-001	TUNER		
X201	CSB503F30-T2	C RESONATOR		
Y001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

FRONT CONTROL PW BOARD ASS’Y (SMK-8301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q8801	DTA124EKA-X	DIGI TRANSISTOR		
Q8801	SPR-39MVWF	LED	RED-GREEN	
Q8802	DTA124EKA-X	DIGI TRANSISTOR		
Q8803	DTC124EKA-X	DIGI TRANSISTOR		
C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8004	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8005	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R8002	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8011	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R8012	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8023	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8317	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R8801	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8802	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R8804	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
L8001	QQR0716-001Z	FERRITE BEADS		
L8002	QQL244K-5R6Z	COIL	5.6uH K	
L8003	QQL244K-5R6Z	COIL	5.6uH K	
L8310	QQL244K-270Z	COIL	27uH K	
L8311	QQL244K-270Z	COIL	27uH K	
L8312	QQR0716-001Z	FERRITE BEADS		
CN800B	QGA2501C5-06Z	CONNECTOR	W-B (1-6)	
CN800F	QGA2501C1-12	CONNECTOR	W-B (1-12)	
CN8016	QGA2501C5-05Z	CONNECTOR	W-B (1-5)	
J8001	QNS0169-001	3.5 JACK	HEADPHONE	
J8303	QNZ0438-001	AV JACK	EXT-5	
S8001	QSW0619-003Z	TACT SWITCH	POWER	

RECEIVER POWER PW BOARD ASS’Y (SMK-9301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9901	STR-G6653	IC		
⚠IC9931	QAL0425-001	POWER TRANSF		
Q9971	2SC2412K/QR/-X	TRANSISTOR		
Q9972	2SC1627A/Y/-T	TRANSISTOR		
D9902	RG1C-LFA1	SI DIODE		
D9904	AU01Z-T2	FR DIODE		
D9905	AU01Z-T2	FR DIODE		
D9906	MA3270/H/-X	Z DIODE		
D9907	MA111-X	SI DIODE		
D9908	MA3150/M/-X	Z DIODE		
D9910	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
D9931	S1WB/A/60-4101	BRIDGE DIODE		
D9941	1SR124-400A-T2	SI DIODE		
D9951	EU2-T3	SI DIODE		
D9952	FMX-G12S	SI DIODE		
D9953	MA3330/L/-X	Z DIODE		

⚠Ref No.	Part No.	Part Name	Description	Local
D9954	NJM431L-T	IC		
D9971	MA111-X	SI DIODE		
⚠PC9901	PC123FY2	PHOTO COUPLER		
⚠C9901	QFZ9075-104	MPP CAPACITOR	0.1uF AC275V M	
⚠C9902	QFZ9075-104	MPP CAPACITOR	0.1uF AC275V M	
⚠C9903	QFZ9075-473	MPP CAPACITOR	0.047uF AC275V M	
⚠C9904	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9905	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9906	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9907	QEZ0199-127	E CAPACITOR	120uF 400VM	
C9908	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C9909	QCZ0122-391	C CAPACITOR	390pF 2kV K	
C9910	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C9911	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C9912	QCZ0122-561	C CAPACITOR	560pF 2kV K	
C9913	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C9915	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
⚠C9931	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9932	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
⚠C9933	QCZ9054-472	C CAPACITOR	4700pF AC250V Z	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9952	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C9954	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C9955	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C9956	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
⚠C9997	QCZ9079-471	C CAPACITOR	470pF AC250V K	
⚠C9999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R9901	QRF074K-5R6	UNF WW RESISTOR	5.6Ω 7W K	
R9902	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R9903	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R9904	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9905	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9906	QRL029J-823	OMF RESISTOR	82kΩ 2W J	
R9907	QRL029J-683	OMF RESISTOR	68kΩ 2W J	
⚠R9908	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J	
R9909	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R9911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R9912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R9913	QRT029J-3R3	MF RESISTOR	3.3Ω 2W J	
R9914	QRT029J-R33	MF RESISTOR	0.33Ω 2W J	
R9931	QRF054K-3R3	UNF WW RESISTOR	3.3Ω 5W K	
R9941	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R9942	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	
R9943	QRE121J-1R8Y	C RESISTOR	1.8Ω 1/2W J	
R9951	QRL029J-561	OMF RESISTOR	560Ω 2W J	
R9952	QRE121J-562Y	C RESISTOR	5.6kΩ 1/2W J	
R9953	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9954	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9955	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R9956	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9958	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R9971	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9973	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
⚠R9999	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
L9951	QQL26AK-220Z	COIL	22uH K	
L9952	QQLZ018-220	COIL	22uH	
L9971	QQL26AK-220Z	COIL	22uH K	
CN9001	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN9002	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN90PW	QGA7901C1-02	CONNECTOR	W-B (1-2)	
⚠F9901	QMF51D2-2R5-J1	FUSE	2.5A AC250V	
FC9901	CEMG002-001Z	FUSE CLIP		
FC9902	CEMG002-001Z	FUSE CLIP		
HS9901	LC30710-001A	HEAT SINK/FE-P/		
HS9951	CEHT11B-002QS	HEAT SINK		
K9901	QQR0679-001	FERRITE BEADS		
⚠LF9901	QQR0810-001	LINE FILTER		
⚠RY9951	QSK0099-001	RELAY		
VA9901	QAF0052-621	VARISTOR	620V	
W9201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W9204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

MI-COM PW BOARD ASS’Y (SMK0M301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160T90PTB02	IC		
IC901	TA48M025F-X	IC		
IC902	TA48M033F-X	IC		
Q001	2SC2712/YG/-X	TRANSISTOR		
Q002	2SC2712/YG/-X	TRANSISTOR		
Q007	2SA1162/YG/-X	TRANSISTOR		
Q008	2SA1162/YG/-X	TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1374-X	MOS FET		
Q014	2SK1374-X	MOS FET		
Q015	2SK1374-X	MOS FET		
Q016	2SK1374-X	MOS FET		
Q017	2SK1374-X	MOS FET		
Q018	2SK1374-X	MOS FET		
Q019	2SK1374-X	MOS FET		
Q021	2SC2712/YG/-X	TRANSISTOR		
Q022	2SC2712/YG/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C014	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
C063	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C064	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C065	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R100	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R119	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R120	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R121	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R153	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R154	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R165	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R168	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R169	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R174	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R176	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R177	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R178	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R179	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NQL092K-4R7X	P COIL	4.7uH K	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L017	NQL092K-1R5X	P COIL	1.5uH K	
L018	NQL092K-1R5X	P COIL	1.5uH K	
L019	NQL092K-1R5X	P COIL	1.5uH K	
L020	NQL092K-1R5X	P COIL	1.5uH K	
L021	NQL092K-1R5X	P COIL	1.5uH K	
L022	NQL092K-1R5X	P COIL	1.5uH K	
CN004	QGB1232K1-50T	B TO B CONNE		
CN0J1	QGA2001F1-09	CONNECTOR	W-B (1-9)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K004	NQR0389-003X	FERRITE BEADS		
LC001	NQR0313-007X	EMI FILTER	1000pF 50V M	
LC002	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
X001	QAX0669-001Z	CRYSTAL	6MHz	

MI-COM INTERFACE PW BOARD ASS’Y (SMK0M311A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	TC74HC4066AP	IC		
Q101	2SC1815/YG/-T	TRANSISTOR		
C101	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
C102	QCB31HK-103Z	C CAPACITOR	0.01uF 50V K	
R101	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R102	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R103	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
R104	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R105	QRK126J-103X	UNF C RESISTOR	10kΩ 1/2W J	
R106	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
R107	QRK126J-473X	UNF C RESISTOR	47kΩ 1/2W J	
CN004	NZZ000000000845	B TO B CONNE		
CN00L	QGA2001C1-14	CONNECTOR	W-B (1-14)	
CN014	NZZ000000000777	B TO B CONNE		
CN0L1	QGA2001C1-06	CONNECTOR	W-B (1-6)	

SUB TUNER PW BOARD ASS’Y (SMK0F301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
UD001	QAU0283-001	RF SPLITTER	75Ω 44MHz-872MHz	
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C011	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
CN008	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN00A	QGA2501C1-10	CONNECTOR	W-B (1-10)	
CN018	QGB1505K1-25	CONNECTOR	B-B (1-25)	
LC001	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
TU002	QAU0301-001	TUNER	V /U / CATV	

AV JACK PW BOARD ASS’Y (SMK0J301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
D101	MA3056/M/-X	Z DIODE		
D102	MA3056/M/-X	Z DIODE		
D103	MA3056/M/-X	Z DIODE		
D104	MA3056/M/-X	Z DIODE		
D111	MA3056/M/-X	Z DIODE		
D112	MA3056/M/-X	Z DIODE		
D113	MA3056/M/-X	Z DIODE		
D114	MA3039/H/-X	Z DIODE		
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C601	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C602	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C603	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R115	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R116	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R118	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
CN00G	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN020	QGB1505K1-40	CONNECTOR	B-B (1-40)	
J001	CE40529-006	SCART CONNECTOR	EXT-1	
J002	CE40529-006	SCART CONNECTOR	EXT-2	
J003	CE40529-006	SCART CONNECTOR	EXT-3	
J004	QNN0463-001	PIN JACK	EXT-4	
J005	QNN0493-001	PIN JACK	EXT-4	
J006	QNN0493-001	PIN JACK	AUDIO OUT	
K101	CE42681-001Y	CHIP BEADS CORE		
K102	CE42681-001Y	CHIP BEADS CORE		
K103	CE42681-001Y	CHIP BEADS CORE		
K104	CE42681-001Y	CHIP BEADS CORE		
K105	QQR0716-001Z	FERRITE BEADS		
K601	CE42681-001Y	CHIP BEADS CORE		
K602	CE42681-001Y	CHIP BEADS CORE		

AV SW PW BOARD ASS’Y (SMK0S301A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC		
IC501	MSP3415DQGB3GHX	IC		
IC601	BA10324AF-XE	IC		
IC602	BA4558F-X	IC		
IC662	BA4558F-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1037AK/QR/-X	TRANSISTOR		
Q201	2SC2412K/QR/-X	TRANSISTOR		
Q202	2SC2412K/QR/-X	TRANSISTOR		
Q211	2SC2412K/QR/-X	TRANSISTOR		
Q212	2SC2412K/QR/-X	TRANSISTOR		
Q221	2SC2412K/QR/-X	TRANSISTOR		
Q222	2SC2412K/QR/-X	TRANSISTOR		
Q231	2SC2412K/QR/-X	TRANSISTOR		
Q232	2SC2412K/QR/-X	TRANSISTOR		
Q501	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1037AK/QR/-X	TRANSISTOR		
Q604	DTC323TK-X	DIGI TRANSISTOR		
Q605	DTC323TK-X	DIGI TRANSISTOR		
Q606	2SA1037AK/QR/-X	TRANSISTOR		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		

⚠Ref No.	Part No.	Part Name	Description	Local
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C125	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C501	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C504	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C505	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C506	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C507	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C508	NDC31HJ-821X	C CAPACITOR	820pF 50V J	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C602	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C603	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C604	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C605	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C606	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C607	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C609	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C610	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C611	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C612	QENC1HM-106Z	BP E CAPACITOR	10uF 50V M	
C613	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C679	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C680	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C681	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C682	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R161	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R166	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R171	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R203	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R204	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R207	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R211	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R217	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R221	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R223	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R227	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R501	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R503	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R504	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R505	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R601	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R603	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R605	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R606	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R610	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R611	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R612	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R613	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R614	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R615	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R616	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R619	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R620	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R621	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R622	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R624	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R625	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R626	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R628	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R629	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R630	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R635	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R636	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R637	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R675	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R682	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R683	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L501	QQL244K-220Z	COIL	22uH K	
L502	QQL244K-180Z	COIL	18uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
CN006	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505K1-35	CONNECTOR	B-B (1-35)	
CN00A	QGA2501C1-10	CONNECTOR	W-B (1-10)	
CN00F	QGA2501C1-12	CONNECTOR	W-B (1-12)	
CN00G	QGA2501C5-03Z	CONNECTOR	W-B (1-3)	
CN00K	QGA2001C1-06	CONNECTOR	W-B (1-6)	
CN020	QGB1505J1-40	CONNECTOR	B-B (1-40)	
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC501	NQR0431-001X	EMI FILTER	0.22uF 50V Z	
X501	CE42546-001Z	X TAL		
Y001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

DIST RELAY PW BOARD ASS'Y (SMK0Z311A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
CN015	QGC2507C1-96	CONNECTOR	(1-96)	

DIST PW BOARD ASS'Y (SMK0Z302A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC		
IC002	TC7WH34FU-X	IC	100pin	
IC003	AD9883AKST-110	IC	80pin	
IC004	TC7WH34FU-X	IC		
IC005	MSM514265E-60TS	IC		
IC101	TMS57128GJG	IC	264pin	
IC102	HY5DU643222AQ-5	IC	100pin	
IC103	MBV400TC90PFN16	IC(MICRO C ROM)		
IC104	TC7WH74FU-X	IC(DIGITAL)		
IC105	TC7S08F-X	IC(DIGITAL)		
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	256pin	
IC203	R1170H151B-X	IC		
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC210	TLC2932IPW-X	IC		
IC211	TC74AC74F-X	SOP IC		
IC212	TC7WHU04FU-X	IC		
IC213	TC7MB3253FK-X	IC		
IC214	TC7SET32FU-X	IC(DIGITAL)		
IC251	UPD64083GF	IC	100pin	
IC253	R1170H251B-X	IC		
IC461	JCC5056	IC	256pin	
IC501	THS8083A	IC		
IC602	MAX3221CAE-X	IC		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC703	TC4053BF/N/-XE	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
IC901	SII170BCL64	IC		
IC903	IC-PST575M/J/-X	IC		
IC904	R1170H331B-X	IC	Regulator	
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	2SC2412K/QR/-X	TRANSISTOR		
Q105	2SA1037AK/QR/-X	TRANSISTOR		
Q106	2SC2412K/QR/-X	TRANSISTOR		
Q107	DTC124EKA-X	DIGI TRANSISTOR		
Q401	2SA1037AK/QR/-X	TRANSISTOR		
Q402	2SC2412K/QR/-X	TRANSISTOR		
Q403	2SA1037AK/QR/-X	TRANSISTOR		
Q431	2SA1037AK/QR/-X	TRANSISTOR		
Q432	2SC2412K/QR/-X	TRANSISTOR		
Q433	2SA1037AK/QR/-X	TRANSISTOR		
Q434	2SA1037AK/QR/-X	TRANSISTOR		
Q501	2SA1022/BC/-X	TRANSISTOR		
Q502	2SA1022/BC/-X	TRANSISTOR		
Q503	2SA1022/BC/-X	TRANSISTOR		
Q601	2SC2412K/QR/-X	TRANSISTOR		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q791	2SC2412K/QR/-X	TRANSISTOR		
Q792	2SC2412K/QR/-X	TRANSISTOR		
Q793	DTC124EKA-X	DIGI TRANSISTOR		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
Q903	2SK1374-X	MOS FET		
Q904	2SK1374-X	MOS FET		
QB001	2SC2412K/QR/-X	TRANSISTOR		
QB002	2SC2412K/QR/-X	TRANSISTOR		
QB003	2SA1037AK/QR/-X	TRANSISTOR		
QB005	2SC2412K/QR/-X	TRANSISTOR		
QB006	2SC2412K/QR/-X	TRANSISTOR		
QB007	2SA1037AK/QR/-X	TRANSISTOR		
QB009	2SC2412K/QR/-X	TRANSISTOR		
QB010	2SC2412K/QR/-X	TRANSISTOR		
QB011	2SA1037AK/QR/-X	TRANSISTOR		
QB020	2SK1374-X	MOS FET		
QB021	2SK1374-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	IMX1-XW	PAIR TRANSISTOR		
QB108	IMX1-XW	PAIR TRANSISTOR		
QB109	IMX1-XW	PAIR TRANSISTOR		
D601	1SS355-X	SI DIODE		
D602	1SS355-X	SI DIODE		
D902	BAV99L-X	SI DIODE		
D903	BAV99L-X	SI DIODE		
D904	BAV99L-X	SI DIODE		
D905	BAV99L-X	SI DIODE		
D906	BAV99L-X	SI DIODE		
D907	BAV99L-X	SI DIODE		
D908	BAV99L-X	SI DIODE		
D909	BAV99L-X	SI DIODE		
D910	BAV99L-X	SI DIODE		
D911	BAV99L-X	SI DIODE		
D912	BAV99L-X	SI DIODE		
C001	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB21CK-334X	C CAPACITOR	0.33uF 16V K	
C004	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C005	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C009	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C010	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C101	NEN51AM-336X	BP E CAPACITOR	33uF 10V M	
C102	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C103	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C104	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C108	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C110	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
C111	NEN51VM-225X	BP E CAPACITOR	2.2uF 35V M	
C302	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C305	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C309	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C310	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C313	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C319	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C326	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C402	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C403	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C404	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C405	NDC31HJ-330X	C CAPACITOR	33pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C406	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C431	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C432	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C434	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C436	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C461	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C462	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C463	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C464	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C465	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C466	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C467	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C468	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C469	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C470	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C471	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C472	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C473	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C474	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C475	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C476	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C477	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C478	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C479	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C480	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C481	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C491	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C501	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C502	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C510	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C512	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C514	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C515	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C516	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C518	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C520	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C521	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C524	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C525	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C526	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C527	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C528	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C530	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C532	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C553	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C554	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C556	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C557	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C559	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C560	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
C562	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
C563	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C564	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C565	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M	
C651	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C652	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C653	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C654	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C655	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C656	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C691	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C692	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C752	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C792	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C793	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C797	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C849	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C901	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C902	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C904	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C905	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C906	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C907	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C908	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C909	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C910	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C911	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C912	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C913	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C914	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C915	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C916	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C917	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C918	NCF41CZ-106X	C CAPACITOR	10uF 16V Z	
C919	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C920	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C921	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C922	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C930	NEH71HM-475X	E CAPACITOR	4.7uF 50V M	
C931	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C932	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	
C934	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
CB004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB040	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB044	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
CB607	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB608	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB609	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB610	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB612	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB621	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R101	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R105	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R106	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R109	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R113	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R114	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R115	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R116	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R118	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R122	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R302	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R308	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R313	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R314	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R403	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R404	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R409	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
R410	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R412	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R413	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R431	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R432	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R433	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R434	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R437	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R438	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R439	NRVA63D-102X	CMF RESISTOR	1kΩ 1/16W D	
R442	NRVA63D-221X	CMF RESISTOR	220Ω 1/16W D	
R443	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R444	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R461	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R462	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R463	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R464	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R465	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R466	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R467	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R468	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R469	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R472	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R473	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R474	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R475	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R476	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R479	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R480	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R481	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R491	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R492	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R493	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R494	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R495	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R496	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R497	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R505	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R513	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R551	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R552	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R553	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R554	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R555	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R556	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R557	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R558	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R559	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R560	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R561	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R562	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R651	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R652	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R655	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R658	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R663	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R670	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R671	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R672	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R673	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R674	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R675	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R676	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R677	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R678	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R679	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R680	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R750	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R751	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R752	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R759	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R769	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R770	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R791	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R792	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R793	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R798	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R849	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R850	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R852	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R859	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R869	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R870	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R877	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R903	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R904	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R905	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R906	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R907	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R909	NRSA63J-511X	MG RESISTOR	510Ω 1/16W J	
R911	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R912	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R913	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R914	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R915	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R916	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R918	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R927	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R930	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R932	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R933	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R934	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R935	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R936	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R937	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R938	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R939	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R940	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R941	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R942	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R943	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R946	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R964	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R967	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R968	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R993	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R997	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R998	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R999	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RA001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA002	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA004	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA005	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA006	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA007	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA008	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA009	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA010	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA011	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA012	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA013	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA014	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA015	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA016	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA017	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA101	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA102	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA103	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA104	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA105	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA106	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA107	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA108	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA109	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA110	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA111	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA112	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA113	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA114	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA115	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA116	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA117	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA118	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA119	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA120	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA121	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA122	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA123	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA124	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA125	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA126	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA127	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA128	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA129	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA130	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA131	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA132	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA133	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA134	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA135	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA201	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA203	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA204	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA205	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA206	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA207	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA208	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA209	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA210	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA212	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RB001	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB002	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB003	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB004	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB009	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB010	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB011	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB015	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB016	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB017	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB019	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB020	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB022	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB023	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB028	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB029	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB030	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB032	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB035	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB036	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB037	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB054	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB055	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB058	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
RB059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB111	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB114	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB116	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB117	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB127	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB128	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB130	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB140	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB149	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB159	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB160	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB223	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB228	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB229	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB240	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	

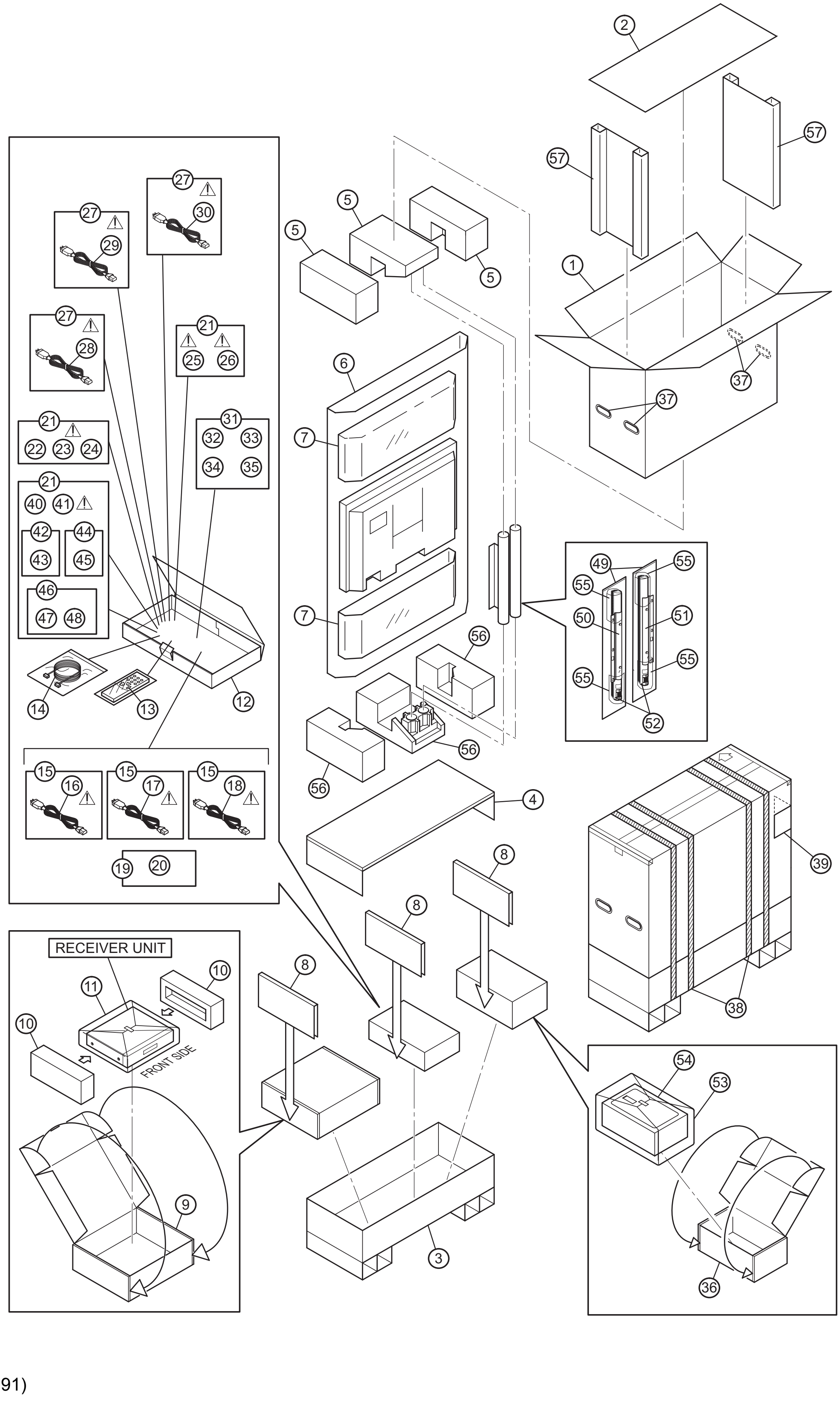
⚠Ref No.	Part No.	Part Name	Description	Local
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB253	NRSA02J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB337	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB338	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB362	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB366	NRVA63D-473X	CMF RESISTOR	47kΩ 1/16W D	
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB429	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB606	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB609	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB612	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB617	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB620	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB622	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB625	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L001	NQR0413-003X	FERRITE BEADS		
L002	NQR0413-003X	FERRITE BEADS		
L003	NQR0413-003X	FERRITE BEADS		
L004	NQR0413-003X	FERRITE BEADS		
L005	NQR0413-003X	FERRITE BEADS		
L101	NQL092K-6R8X	P COIL	6.8uH K	
L302	NQL092K-3R3X	P COIL	3.3uH K	
L401	NQL092K-6R8X	P COIL	6.8uH K	
L431	NQL092K-100X	P COIL	10uH K	
L461	NQR0413-003X	FERRITE BEADS		
L462	NQR0413-003X	FERRITE BEADS		
L501	NQL092K-2R2X	P COIL	2.2uH K	
L502	NQL092K-2R2X	P COIL	2.2uH K	
L503	NQL092K-2R2X	P COIL	2.2uH K	
L691	NQR0413-003X	FERRITE BEADS		
L707	NQR0413-003X	FERRITE BEADS		
L708	NQR0413-003X	FERRITE BEADS		
L709	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	

⚠Ref No.	Part No.	Part Name	Description	Local
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
LB001	NQL092M-180X	P COIL	18uH M	
LB002	NQL085J-101X	COIL	100uH J	
LB003	NQL085J-101X	COIL	100uH J	
LB005	NQR0413-003X	FERRITE BEADS		
LB007	NQL092K-2R2X	P COIL	2.2uH K	
LB008	NQL092K-2R2X	P COIL	2.2uH K	
LB009	NQL092K-2R2X	P COIL	2.2uH K	
LB101	NQR0413-003X	FERRITE BEADS		
LB102	NQR0413-003X	FERRITE BEADS		
LB104	NQR0413-003X	FERRITE BEADS		
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB202	NQR0413-003X	FERRITE BEADS		
LB204	NQR0413-003X	FERRITE BEADS		
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB601	NQR0413-003X	FERRITE BEADS		
LB602	NQR0413-003X	FERRITE BEADS		
CN00K	QGA2001F2-06V	CONNECTOR	W-B (1-6)	
CN00L	QGA2001F2-14V	CONNECTOR	W-B (1-14)	
CN0J1	QGA2001F2-09V	CONNECTOR	W-B (1-9)	
CN0L1	QGA2001F2-06V	CONNECTOR	W-B (1-6)	
K501	NQR0413-003X	FERRITE BEADS		
K502	NQR0413-003X	FERRITE BEADS		
K503	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K901	NQR0413-003X	FERRITE BEADS		
K902	NQR0413-003X	FERRITE BEADS		
K903	NQR0413-003X	FERRITE BEADS		
K905	NQR0413-003X	FERRITE BEADS		
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB003	NQR0413-002X	FERRITE BEADS		
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB020	NQR0413-002X	FERRITE BEADS		
KB021	NQR0413-002X	FERRITE BEADS		
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LC005	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0416-001X	EMI FILTER	240pF 16V M	
LC013	NQR0416-001X	EMI FILTER	240pF 16V M	
LC017	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC019	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC020	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC021	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC029	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC030	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC031	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC032	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC051	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC052	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC053	NQR0450-008X	EMI FILTER	2200pF 50V M	
LC401	NQR0450-004X	EMI FILTER	100pF 50V M	
LC601	NQR0415-005X	EMI FILTER	0.1uF 25V M	
X101	NAX0539-001X	CXO	10.000MHz	
X301	NAX0118-001X	CRYSTAL	20.000MHz	
X601	NAX0558-001X	CXO		
X701	QAX0305-001	CRYSTAL	16.200MHz	
X801	QAX0305-001	CRYSTAL	16.200MHz	

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	AEM1088-001A-U	PACKING CASE(TOP)		
	2	AEM3343-001A-U	TOP LAYER		
	3	AEM1083-001A-U	PACKING CASE(BASE)		
	4	AEM3339-001B-U	LAYER PAD		
	5	AEM1086-001A-U	CUSHION ASSY(TOP)	3pcs in 1set	
	6	AEM1067-001A-E	FOAM BAG		
	7	LC41035-002A	POLY BAG	(x2)	
	8	AEM3341-001A-U	SEPARATOR	(x3)	
	9	AEM3338-001A-U	RECEIVER BOX		
	10	AEM3342-001A-U	RECEIVER CUSHION		
	11	PQM30021-105	POLY BAG		
	12	AEM4123-002A-U	ACCESSORY BOX		
	13	RM-C61-1C	REMOCON	included POLY BAG	
	14	QAM0449-001	PDP I/F CABLE	SYSTEM CABLE 3m included POLY BAG	
⚠	15	QPA01203005	POLY BAG	(x3)	
⚠	16	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	
⚠	17	QMPP070-250-K	POWER CORD(EK)	2.5m BLACK	
	18	QMPL238-250-K	POWER CORD	2.5m BLACK	
	19	QPA01001607	POLY BAG	12cm x 35cm	
	20	QQR1193-002	CORE FILTER	For POWER CORD(x2)	
	21	QPA02503505P	POLY BAG	25cm x 35cm(x3)	
	22	LCT1361-001B-U	CAUTION BOOK		
⚠	23	LCT1375-001A-U	INST BOOK	English/German /French/Spanish/Italian/Dutch	
	24	BT-54013-5E	WARRANTY CARD		
⚠	25	LCT1376-001A-U	INST BOOK	Danish/Finn/Swedish/Norwegian	
⚠	26	LCT1377-001A-U	INST BOOK	Russian/Hungarian/Czech/Polish/Romanian	
	27	QPA01203005	POLY BAG	12cm x 30cm(x3)	
⚠	28	QMPL238-250-K	POWER CORD	2.5m BLACK	
⚠	29	QMPP070-250-K	POWER CORD(EK)	2.5m BLACK	
⚠	30	QMPL050-250-K	POWER CORD(EU)	2.5m BLACK	
	31	QPA01203005	POLY BAG	12cm x 30cm	
	32	LC41320-001A	NYRON CLUMP	MOUNTING HOCK(x2)	
	33	------------	DRY BATTERY	(R6P AA)(x2)	
	34	QYSPSPD5016M	SCREW	For MOUNTING HOCK 5mm x 16mm(x2)	
	35	QQR1193-002	CORE FILTER	For POWER CORD(x2)	
	36	AEM3337-001A-U	WOOFER BOX		
	37	AEM3292-001A-E	BOX HANDLE	(x4)	
	38	AEM4119-002A-U	BANDING	(x2)	
	39	AEM1066-021-E	EURO LABEL		
	40	LCT1399-001A-U	INST SHEET		
	41	QQR0491-001	CORE FILTER	For Speaker cord(x3)	
	42	85-000-357-21	POLY BAG	For CORD CLAMP(Blue)	
	43	64-000-187-01	CORD CLAMP	For SPEAKER CORD(x3)	
	44	85-000-357-51	POLY BAG	For FOOT	
	45	90-000-053-81	FOOT	4pcs in 1set	
	46	85-000-327-61	POLY BAG	For SPEAKER CORD	
	47	62-000-438-01	SPEAKER CORD	For FRONT SPEAKER(x2)	
	48	62-000-424-11	SPEAKER CORD	For SUB WOOFER 3m	
	49	85-000-481-31	POLY BAG	For FRONT SPEAKER 1.2m(x2)	
	50	64-000-249-11	DD SPEAKER BRACKET	LEFT	
	51	64-000-249-01	DD SPEAKER BRACKET	RIGHT	
	52	AB133014-01	DD SPEAKER	FRONT SPEAKER(x2)	
	53	85-000-416-81	POLY BAG	For SUB WOOFER	
	54	AB160022-07	SUB WOOFER	TS-35D30ES	
	55	85-000-420-31	MIRROR MAT	(x4)	
	56	AEM1087-001A-U	CUSHION ASSY(BOTTOM)	3pcs in 1set	
	57	AEM3366-001A-U	SPACER PAD	(x2)	

PACKING


RECEIVER UNIT
FRONT SIDE

JVC

SCHEMATIC DIAGRAMS

PDP COLOUR TELEVISION

PD-35D30ES

CD-ROM No.SML200304

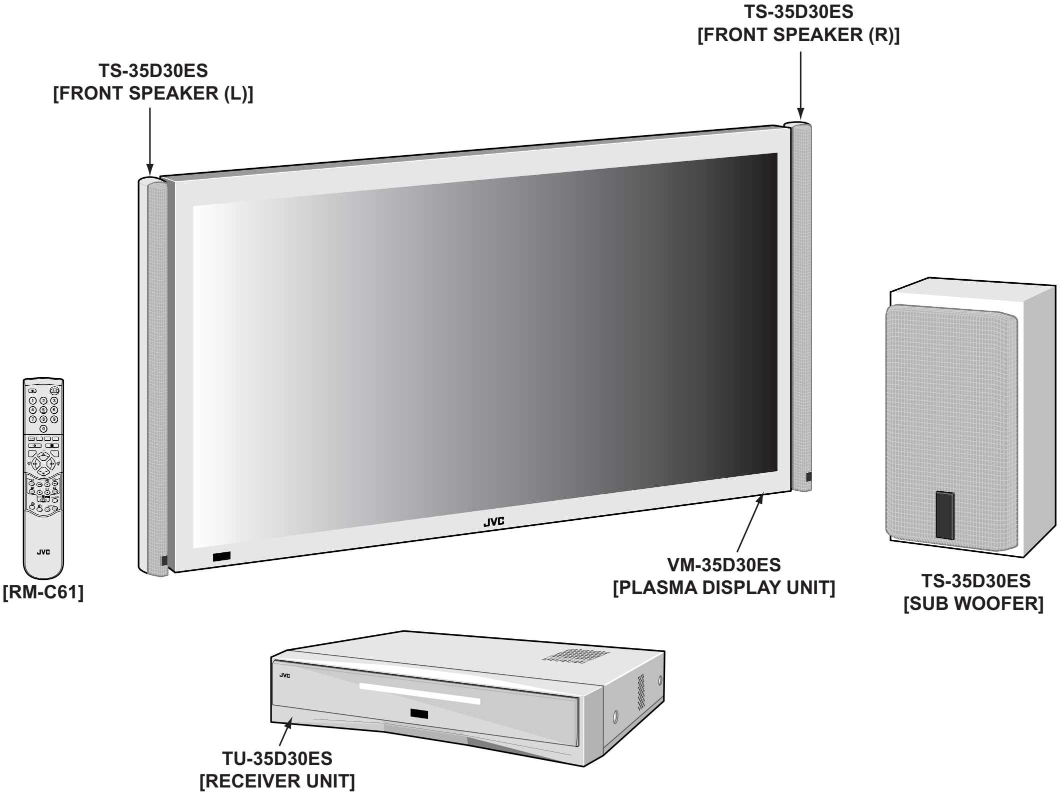
BASIC CHASSIS
MK

InteriArt

Speaker

D.I.S.T.
Digital Image Scaling Technology

T-V LINK


TS-35D30ES
[FRONT SPEAKER (R)]
TS-35D30ES
[FRONT SPEAKER (L)]
JVC
[RM-C61]
VM-35D30ES
[PLASMA DISPLAY UNIT]
TS-35D30ES
[SUB WOOFER]
TU-35D30ES
[RECEIVER UNIT]

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No.52091
2003/04

PD-35D30ES
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal		
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped		
(3)Internal resistance of tester	: DC 20kΩ/V		
(4)Oscilloscope sweeping time	: H	⇒	20µs/div
	: V	⇒	5ms/div
	: Othters	⇒	Sweeping time is specified
(5)Voltage values	: All DC voltage values		

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/ 16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [µF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

No unit	: [µH]
Others	: As specified

(4)Power Supply

═══	: B1	■■■■	: B2 (12V)
■□■□	: 9V	□□□□	: 5V

∗Respective voltage values are indicated

(5)Test point

◉ : Test point ○ : Only test point display

(6)Connecting method

▭ : Connector ○ : Wrapping or soldering

→≻ →⊁ : Receptacle

(7)Ground symbol

⊥ : LIVE side ground
⏊ : ISOLATED(NEUTRAL) side ground
⏚ : EARTH ground
▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏊) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.**

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USING P.W. BOARD

RECEIVER UNIT [TU-35D30ES]

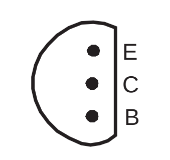
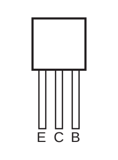
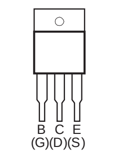
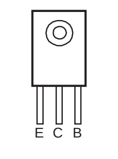
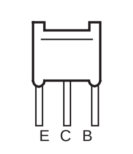
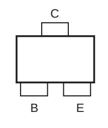
MAIN P.W. BOARD	SMK-1301A-U2
AV SW P.W. BOARD	SMK0S301A-U2
AV JACK P.W. BOARD	SMK0J301A-U2
SUB TUNER P.W. BOARD	SMK0F301A-U2
DIST RELAY P.W. BOARD	SMK0Z311A-U2
DIST P.W. BOARD	SMK0Z302A-U2
RECEIVER POWER P.W. BOARD	SMK-9301A-U2
MI-COM INTERFACE P.W. BOARD	SMK0M311A-U2
MI-COM P.W. BOARD	SMK0M301A-U2
FRONT CONTROL P.W. BOARD	SMK-8301A-U2

DISPLAY UNIT [VM-35D30ES]

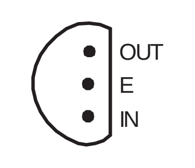
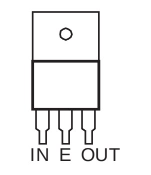
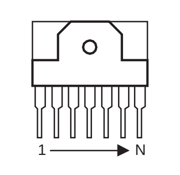
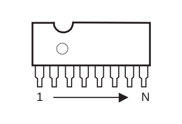
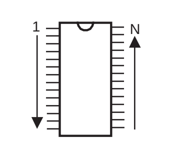
DISPLAY INTERFACE P.W. BOARD	SSB-7367A-U2
AUDIO PWB P.W. BOARD	SMK-6066A-U2
SPEAKER TERMINAL P.W. BOARD	SMK-6166A-U2
DISPLAY LED P.W. BOARD	SMK0L266A-U2
DISPLAY SWITCH P.W. BOARD	SMK0L366A-U2
LINE FILTER P.W. BOARD	SMK-9266A-U2
SYSTEM POWER P.W. BOARD	SMK-9166A-U2
PDP POWER P.W. BOARD	SMK-9067A-U2

SEMICONDUCTOR SHAPES

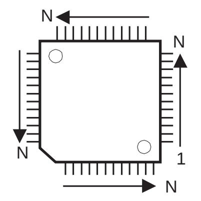
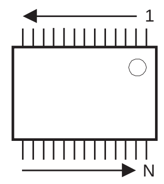
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

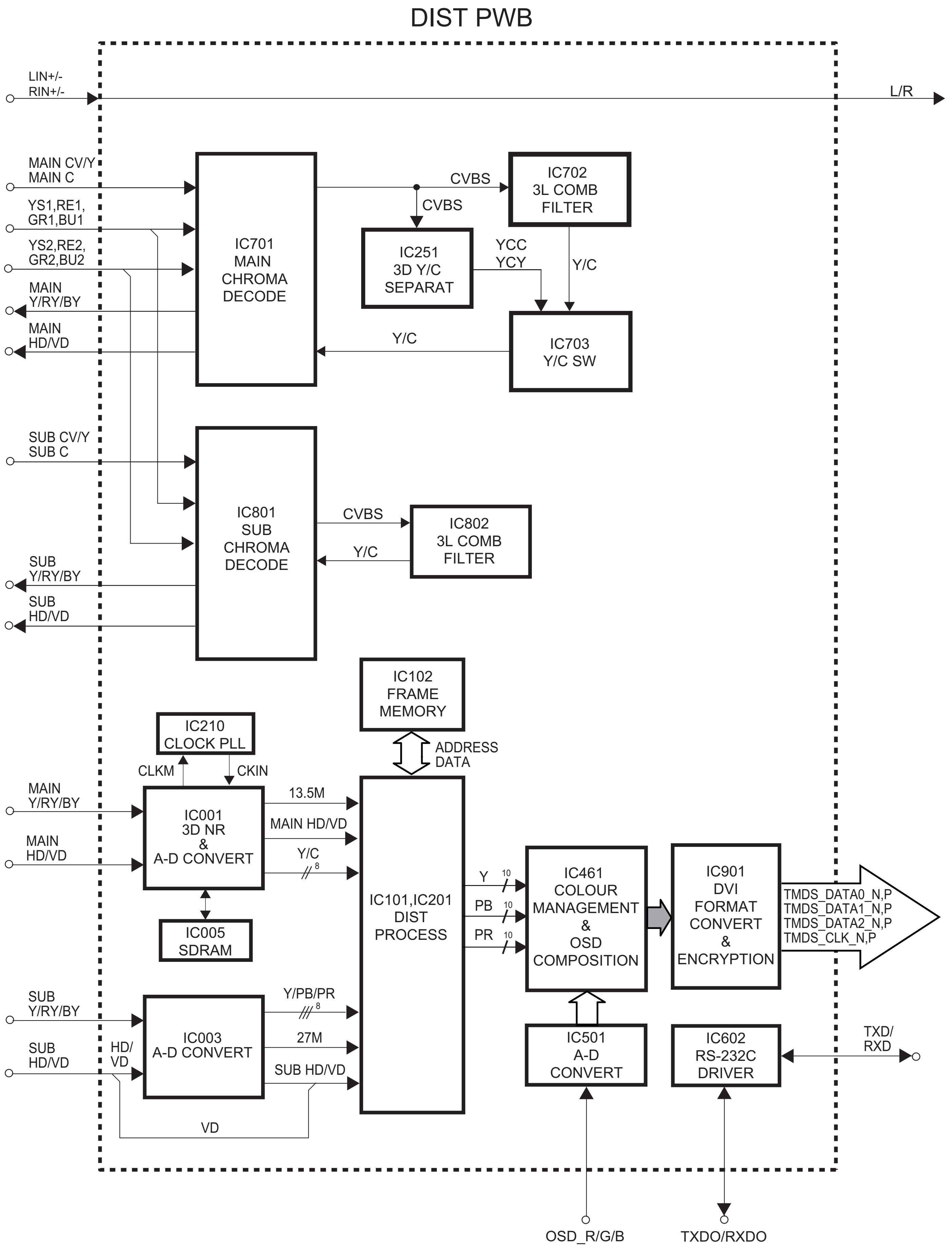
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

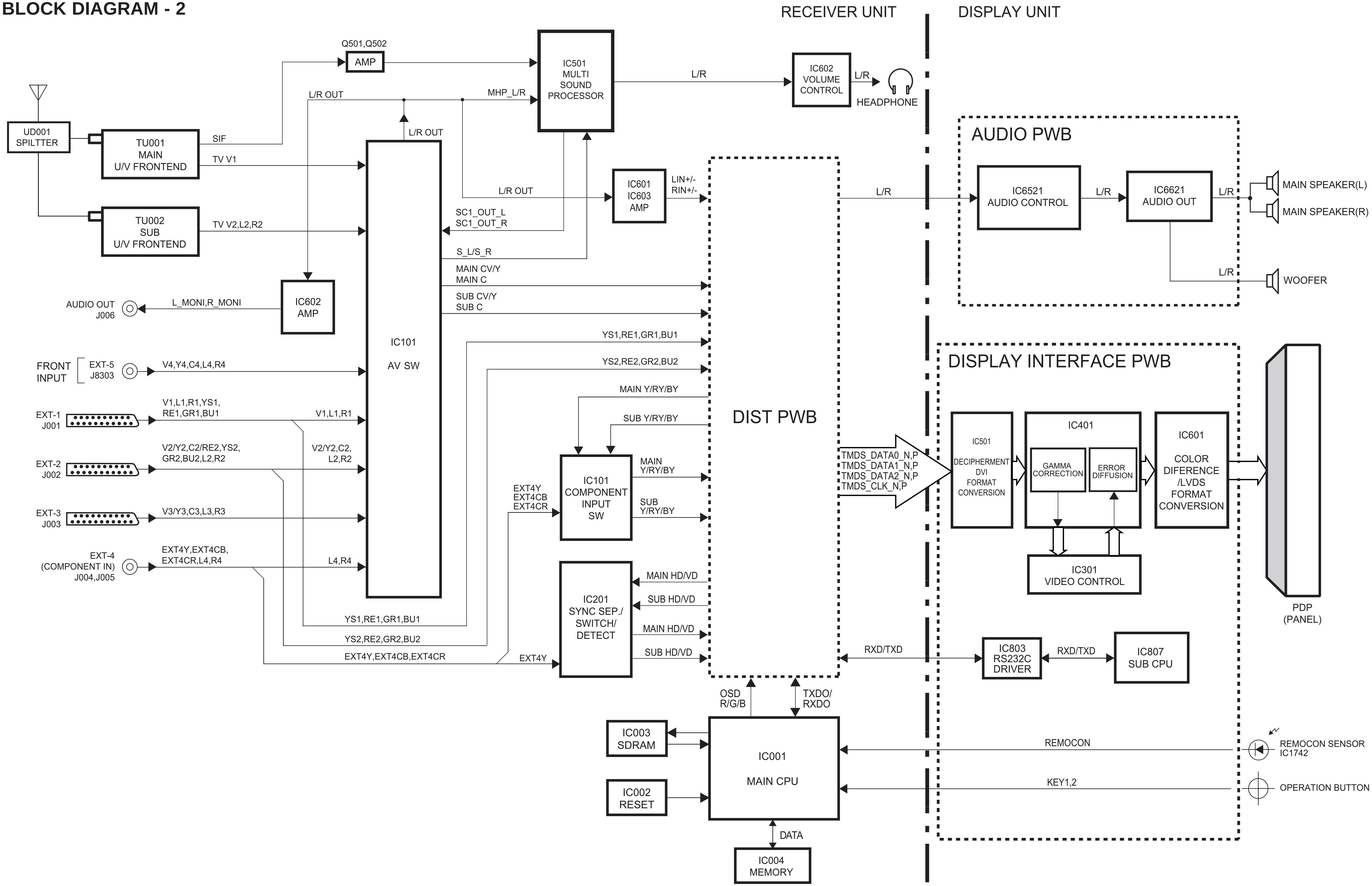
CHIP IC

TOP VIEW		
		

BLOCK DIAGRAM - 1

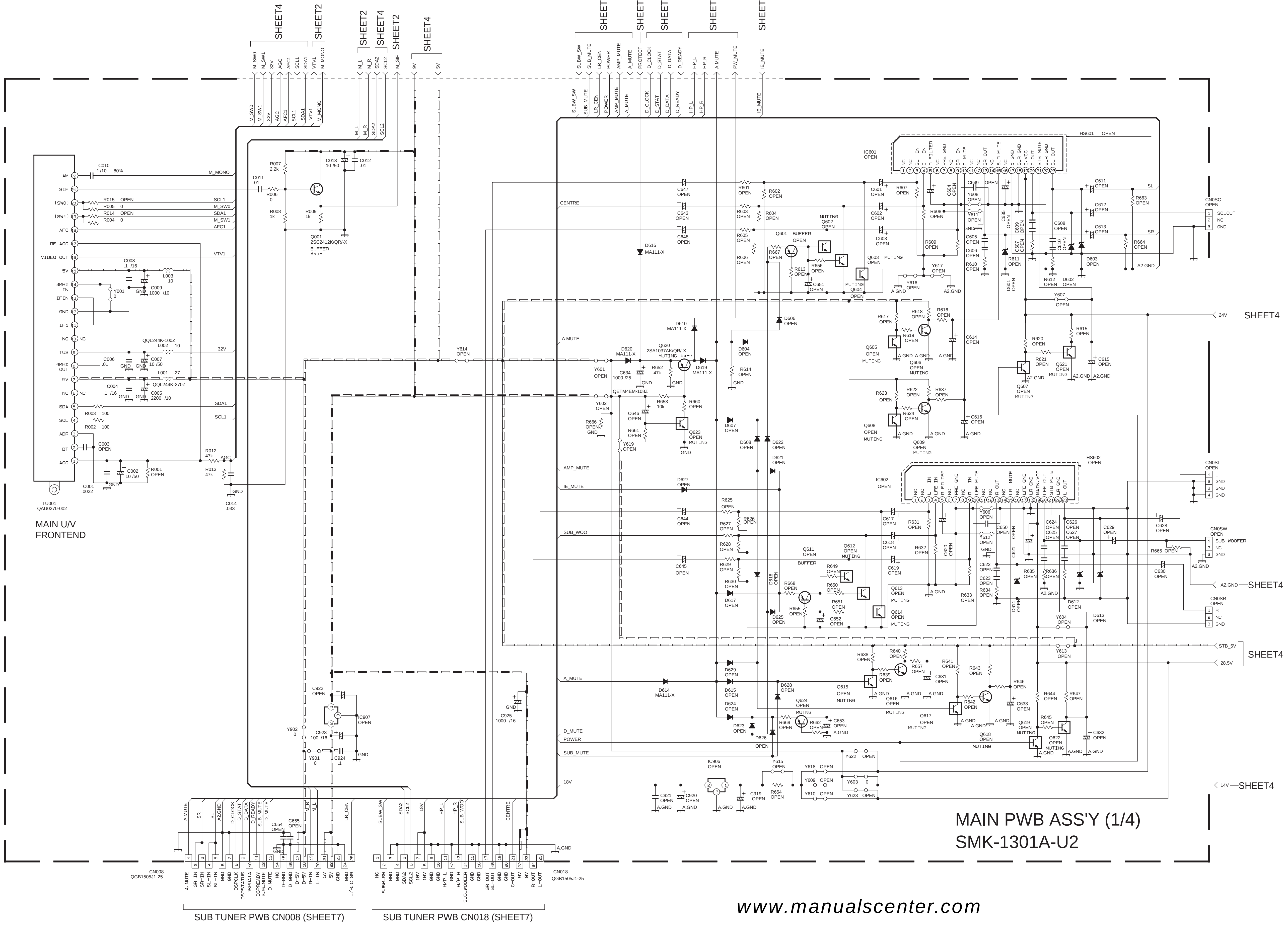

DIST PWB
LIN+/-
RIN+/-
L/R
MAIN CV/Y
MAIN C
YS1,RE1,
GR1,BU1
YS2,RE2,
GR2,BU2
MAIN
Y/RY/BY
MAIN
HD/VD
IC701
MAIN
CHROMA
DECODE
CVBS
CVBS
IC702
3L COMB
FILTER
IC251
3D Y/C
SEPARAT
YCC
YCY
Y/C
Y/C
IC703
Y/C SW
SUB CV/Y
SUB C
IC801
SUB
CHROMA
DECODE
CVBS
Y/C
IC802
3L COMB
FILTER
SUB
Y/RY/BY
SUB
HD/VD
IC102
FRAME
MEMORY
ADDRESS
DATA
IC210
CLOCK PLL
CLKM
CKIN
MAIN
Y/RY/BY
MAIN
HD/VD
IC001
3D NR
&
A-D CONVERT
13.5M
MAIN HD/VD
Y/C
8
IC005
SDRAM
IC101,IC201
DIST
PROCESS
Y
10
PB
10
PR
10
IC461
COLOUR
MANAGEMENT
&
OSD
COMPOSITION
IC901
DVI
FORMAT
CONVERT
&
ENCRYPTION
TMDS_DATA0_N,P
TMDS_DATA1_N,P
TMDS_DATA2_N,P
TMDS_CLK_N,P
SUB
Y/RY/BY
SUB
HD/VD
HD/
VD
IC003
A-D CONVERT
Y/PB/PR
8
27M
SUB HD/VD
VD
IC501
A-D
CONVERT
IC602
RS-232C
DRIVER
TXD/
RXD
OSD_R/G/B
TXDO/RXDO

BLOCK DIAGRAM - 2

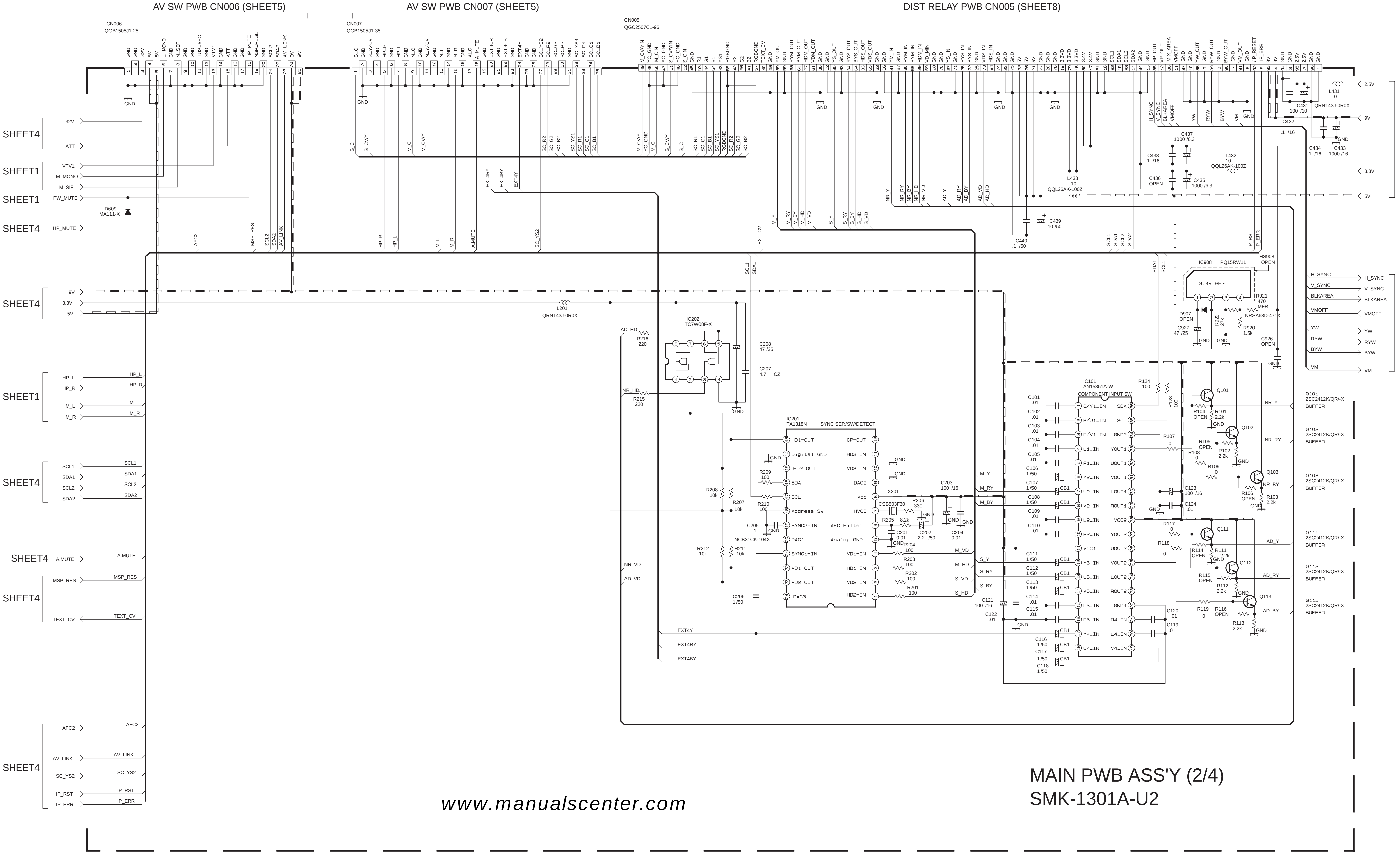

RECEIVER UNIT
DISPLAY UNIT
Q501,Q502
AMP
IC501 MULTI SOUND PROCESSOR
L/R OUT
MHP_L/R
L/R
IC602 VOLUME CONTROL
L/R
HEADPHONE
UD001 SPILTTER
TU001 MAIN U/V FRONTEND
SIF
TV V1
L/R OUT
TU002 SUB U/V FRONTEND
TV V2,L2,R2
L/R OUT
IC601 IC603 AMP
LIN+/-
RIN+/-
SC1_OUT_L
SC1_OUT_R
S_L/S_R
MAIN CV/Y
MAIN C
SUB CV/Y
SUB C
AUDIO PWB
IC6521 AUDIO CONTROL
L/R
IC6621 AUDIO OUT
L/R
MAIN SPEAKER(L)
MAIN SPEAKER(R)
L/R
WOOFER
AUDIO OUT J006
L_MONI,R_MONI
IC602 AMP
IC101 AV SW
YS1,RE1,GR1,BU1
YS2,RE2,GR2,BU2
FRONT INPUT
EXT-5 J8303
V4,Y4,C4,L4,R4
MAIN Y/RY/BY
SUB Y/RY/BY
EXT-1 J001
V1,L1,R1,YS1, RE1,GR1,BU1
V1,L1,R1
EXT-2 J002
V2/Y2,C2/RE2,YS2, GR2,BU2,L2,R2
V2/Y2,C2, L2,R2
EXT4Y EXT4CB EXT4CR
IC101 COMPONENT INPUT SW
MAIN Y/RY/BY
SUB Y/RY/BY
DIST PWB
EXT-3 J003
V3/Y3,C3,L3,R3
EXT-4 (COMPONENT IN) J004,J005
EXT4Y,EXT4CB, EXT4CR,L4,R4
L4,R4
IC201 SYNC SEP./ SWITCH/ DETECT
MAIN HD/VD
SUB HD/VD
MAIN HD/VD
SUB HD/VD
YS1,RE1,GR1,BU1
YS2,RE2,GR2,BU2
EXT4Y,EXT4CB,EXT4CR
EXT4Y
DISPLAY INTERFACE PWB
TMDS_DATA0_N,P
TMDS_DATA1_N,P
TMDS_DATA2_N,P
TMDS_CLK_N,P
IC501 DECIPHERMENT DVI FORMAT CONVERSION
IC401
GAMMA CORRECTION
ERROR DIFFUSION
IC601 COLOR DIFERENCE /LVDS FORMAT CONVERSION
IC301 VIDEO CONTROL
PDP (PANEL)
RXD/TXD
IC803 RS232C DRIVER
RXD/TXD
IC807 SUB CPU
OSD R/G/B
TXDO/ RXDO
IC003 SDRAM
IC001 MAIN CPU
IC002 RESET
DATA
IC004 MEMORY
REMOCON
REMOCON SENSOR IC1742
KEY1,2
OPERATION BUTTON

CIRCUIT DIAGRAMS [RECEIVER UNIT]

MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET 1

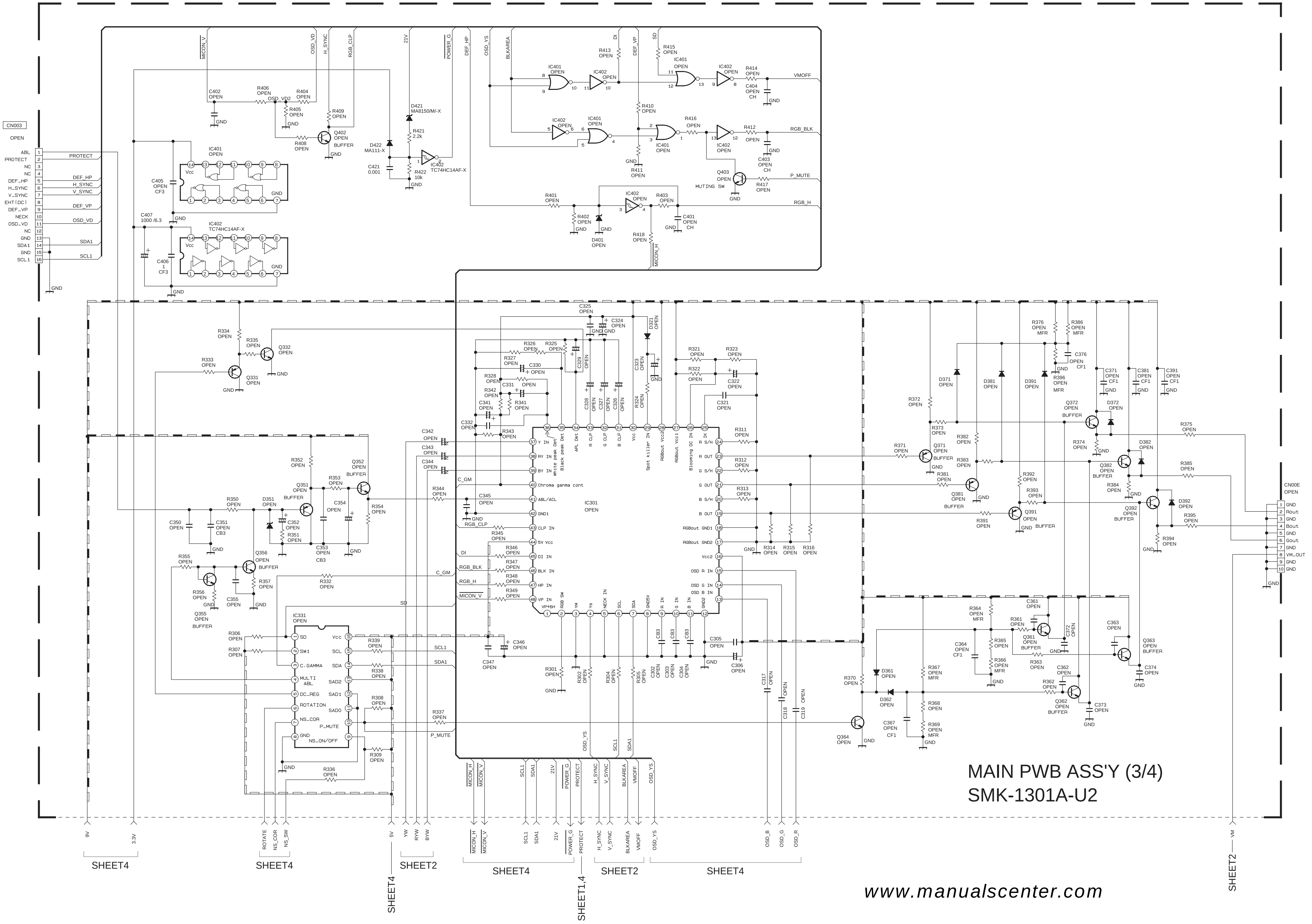

SHEET4
SHEET2
SHEET2
SHEET4
SHEET2
SHEET4
SHEET4
SHEET3
SHEET4
SHEET2
SHEET4
M_SW0
M_SW1
32V
AGC
AFC1
SCL1
SDA1
VTV1
M_MONO
M_L
M_R
SDA2
SCL2
M_SIF
9V
5V
SUBW_SW
SUB_MUTE
LR_CEN
POWER
AMP_MUTE
A_MUTE
PROTECT
D_CLOCK
D_STAT
D_DATA
D_READY
HP_L
HP_R
A.MUTE
PW_MUTE
IE_MUTE
TU001
QAU0270-002
MAIN U/V
FRONTEND
Q001
2SC2412K/QR/-X
BUFFER
IC601
OPEN
HS601 OPEN
IC602
OPEN
HS602
OPEN
CN0SC
CN0SL
CN0SW
CN0SR
SC_OUT
SUB WOOFER
24V SHEET4
A2.GND SHEET4
STB_5V
28.5V
SHEET4
14V SHEET4
IC906
OPEN
Q620
2SA1037AK/QR/-X
MUTING
CN008
QGB1505J1-25
CN018
QGB1505J1-25
MAIN PWB ASS'Y (1/4)
SMK-1301A-U2
SUB TUNER PWB CN008 (SHEET7)
SUB TUNER PWB CN018 (SHEET7)

MAIN PWB CIRCUIT DIAGRAM (2/4) SHEET 2

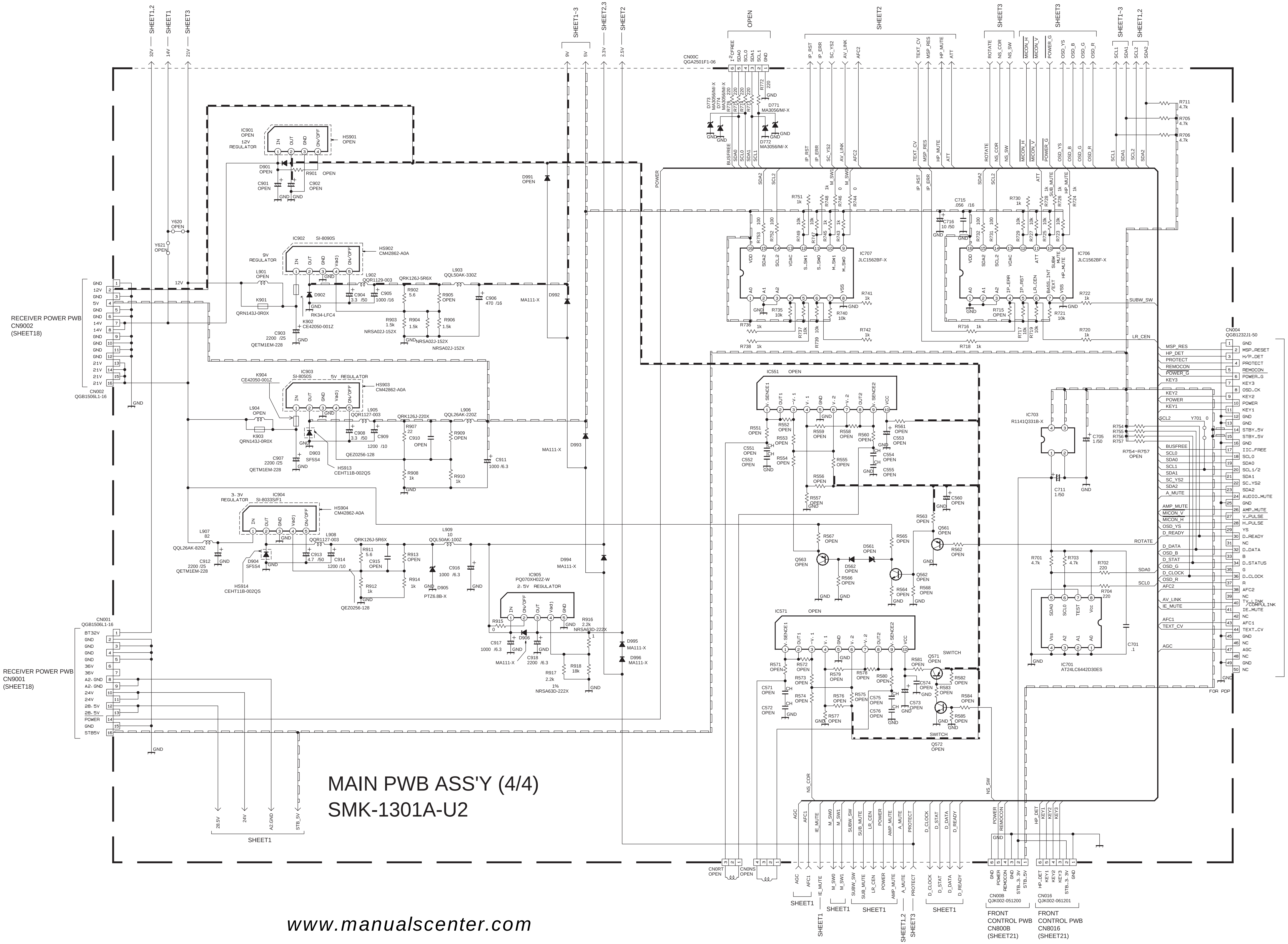

AV SW PWB CN006 (SHEET5)
CN006
QGB1505J1-25
AV SW PWB CN007 (SHEET5)
CN007
QGB1505J1-35
DIST RELAY PWB CN005 (SHEET8)
CN005
QGC2507C1-96
SHEET4
32V
ATT
SHEET1
VTV1
M_MONO
M_SIF
SHEET1
PW_MUTE
D609
MA111-X
SHEET4
HP_MUTE
SHEET4
9V
3.3V
5V
L201
QRN143J-0R0X
SHEET1
HP_L
HP_R
M_L
M_R
SHEET4
SCL1
SDA1
SCL2
SDA2
SHEET4
A.MUTE
SHEET4
MSP_RES
TEXT_CV
SHEET4
AFC2
AV_LINK
SC_YS2
IP_RST
IP_ERR
IC202
TC7W08F-X
R216
220
R215
220
C208
47 /25
C207
4.7 CZ
IC201
TA1318N
SYNC SEP/SW/DETECT
HD1-OUT
Digital GND
HD2-OUT
SDA
SCL
Address SW
SYNC2-IN
DAC1
SYNC1-IN
VD1-OUT
VD2-OUT
DAC3
CP-OUT
HD3-IN
VD3-IN
DAC2
Vcc
HVCO
AFC Filter
Analog GND
VD1-IN
HD1-IN
VD2-IN
HD2-IN
X201
CSB503F30
NCB31CK-104X
R208
10k
R207
10k
R212
10k
R211
10k
C206
1 /50
IC101
AN15851A-W
COMPONENT INPUT SW
G/Y1-IN
B/U1-IN
R/V1-IN
L1-IN
R1-IN
Y2-IN
U2-IN
V2-IN
L2-IN
R2-IN
VCC1
Y3-IN
U3-IN
V3-IN
L3-IN
R3-IN
Y4-IN
U4-IN
SDA
SCL
GND2
YOUT1
UOUT1
VOUT1
LOUT1
ROUT1
VCC2
YOUT2
UOUT2
VOUT2
LOUT2
ROUT2
GND1
R4-IN
L4-IN
V4-IN
EXT4Y
EXT4RY
EXT4BY
Q101
Q102
Q103
Q111
Q112
Q113
Q101・2SC2412K/QR/-X BUFFER
Q102・2SC2412K/QR/-X BUFFER
Q103・2SC2412K/QR/-X BUFFER
Q111・2SC2412K/QR/-X BUFFER
Q112・2SC2412K/QR/-X BUFFER
Q113・2SC2412K/QR/-X BUFFER
NR_Y
NR_RY
NR_BY
AD_Y
AD_RY
AD_BY
IC908 PQ15RW11
3.4V REG
HS908
OPEN
D907
OPEN
R921
470
MFR
NRSA63D-471X
R920
1.5k
C926
OPEN
C927
47 /25
L431
0
QRN143J-0R0X
C431
100 /10
C432
.1 /16
C434
.1 /16
C433
1000 /16
C437
1000 /6.3
C438
.1 /16
L432
10
QQL26AK-100Z
C436
OPEN
C435
1000 /6.3
L433
10
QQL26AK-100Z
C439
10 /50
C440
.1 /50
2.5V
9V
3.3V
5V
SHEET4
H_SYNC
V_SYNC
BLKAREA
VMOFF
YW
RYW
BYW
VM
SHEET3
GND

MAIN PWB ASS'Y (2/4)
SMK-1301A-U2

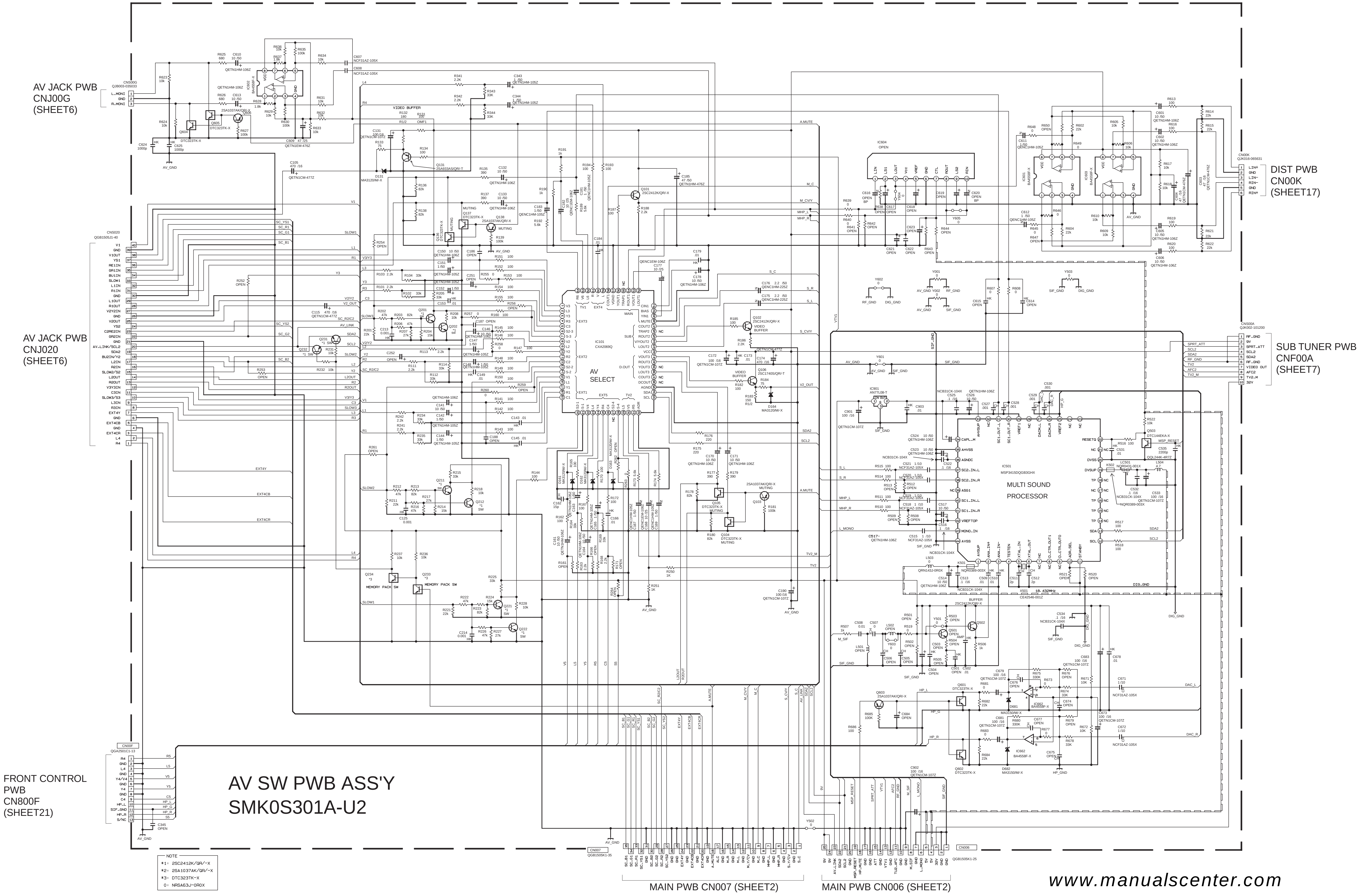
MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET 3


CN003
OPEN
ABL
PROTECT
NC
NC
DEF_HP
H_SYNC
V_SYNC
EHT(DC)
DEF_VP
NECK
OSD_VD
NC
GND
SDA1
GND
SCL1
MICON_V
OSD_VD
H_SYNC
RGB_CLP
21V
POWER_G
DEF_HP
OSD_YS
BLKAREA
DI
DEF_VP
SD
IC401 OPEN
IC402 TC74HC14AF-X
Q402 OPEN BUFFER
D421 MA8150/M/-X
D422 MA111-X
R421 2.2k
R422 10k
C421 0.001
C405 OPEN CF3
C407 1000 /6.3
C406 1 CF3
VMOFF
RGB_BLK
P_MUTE
RGB_H
Q403 OPEN MUTING SW
IC301 OPEN
Y IN
RY IN
BY IN
Chroma gamma cont
ABL/ACL
GND1
CLP IN
5V Vcc
DI IN
BLK IN
HP IN
VP IN
R S/H
R OUT
G S/H
G OUT
B S/H
B OUT
RGBout GND1
RGBout GND2
Vcc2
OSD R IN
OSD G IN
OSD B IN
IC331 OPEN
SD
SW1
C.GAMMA
MULTI ABL
DC_REG
ROTATION
NS_COR
GND
Vcc
SCL
SDA
SAD2
SAD1
SAD0
P_MUTE
NS_ON/OFF
C_GM
CN00E OPEN
GND
Rout
GND
Bout
GND
Gout
GND
VM_OUT
GND
GND
MAIN PWB ASS'Y (3/4)
SMK-1301A-U2
9V
3.3V
ROTATE
NS_COR
NS_SW
5V
YW
RYW
BYW
MICON_H
MICON_V
SCL1
SDA1
21V
POWER_G
PROTECT
H_SYNC
V_SYNC
BLKAREA
VMOFF
OSD_YS
OSD_B
OSD_G
OSD_R
VM
SHEET4
SHEET4
SHEET2
SHEET4
SHEET4
SHEET2
SHEET4
SHEET1,4
SHEET2

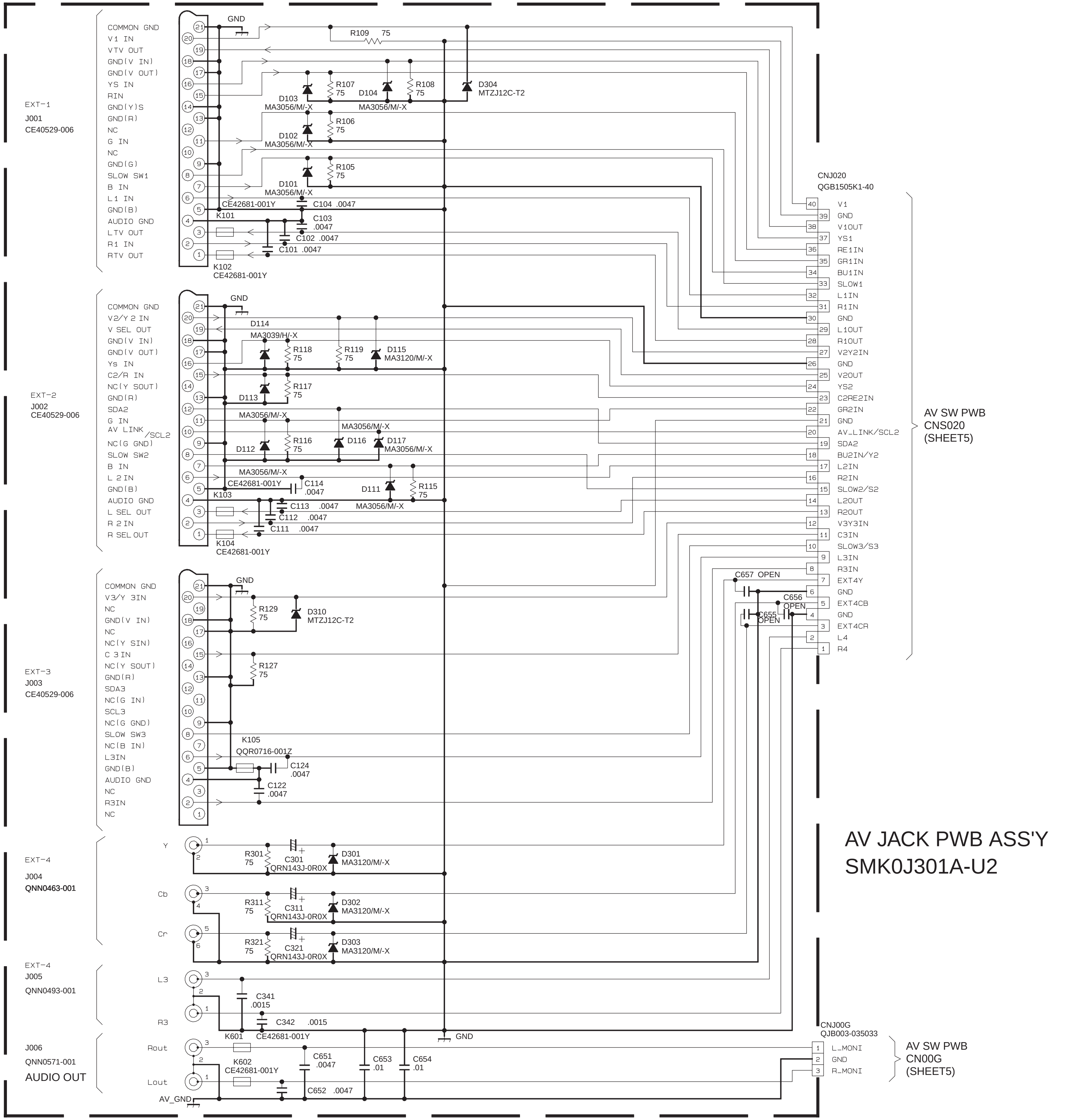
MAIN PWB CIRCUIT DIAGRAM (4/4) SHEET 4


MAIN PWB ASS'Y (4/4)
SMK-1301A-U2
SHEET1,2
SHEET1
SHEET3
SHEET1~3
SHEET2,3
SHEET2
OPEN
32V
14V
21V
9V
5V
3.3V
2.5V
CN00C
QGA2501F1-06
IC901
OPEN
12V REGULATOR
HS901
OPEN
IC902
SI-8090S
9V REGULATOR
HS902
CM42862-A0A
IC903
SI-8050S
5V REGULATOR
HS903
CM42862-A0A
IC904
SI-8033S/F1
3.3V REGULATOR
HS904
CM42862-A0A
IC905
PQ070XH02Z-W
2.5V REGULATOR
RECEIVER POWER PWB
CN9002
(SHEET18)
CN002
QGB1506L1-16
RECEIVER POWER PWB
CN9001
(SHEET18)
CN001
QGB1506L1-16
IC707
JLC1562BF-X
IC706
JLC1562BF-X
IC551
OPEN
IC571
OPEN
IC703
R1141Q331B-X
IC701
AT24LC6442D30ES
CN004
QGB1232J1-50
MI-COM
INTERFACE PWB
CN004
(SHEET19)
FOR PDP
SWITCH
Q571
Q572
CN0RT
OPEN
CN0NS
OPEN
CN00B
QJK002-051200
CN016
QJK002-061201
FRONT
CONTROL PWB
CN800B
(SHEET21)
FRONT
CONTROL PWB
CN8016
(SHEET21)
28.5V
24V
A2.GND
STB_5V
AGC
AFC1
IE_MUTE
M_SW0
M_SW1
SUBW_SW
SUB_MUTE
LR_CEN
POWER
AMP_MUTE
A_MUTE
PROTECT
D_CLOCK
D_STAT
D_DATA
D_READY
GND
REMOCON
STB_3.3V
STB_5V
HP_DET
KEY1
KEY2
KEY3
NS_COR
NS_SW
IP_RST
IP_ERR
SC_YS2
AV_LINK
AFC2
TEXT_CV
MSP_RES
HP_MUTE
ATT
ROTATE
MICON_H
MICON_V
POWER_G
OSD_YS
OSD_B
OSD_G
OSD_R
SCL1
SDA1
SCL2
SDA2

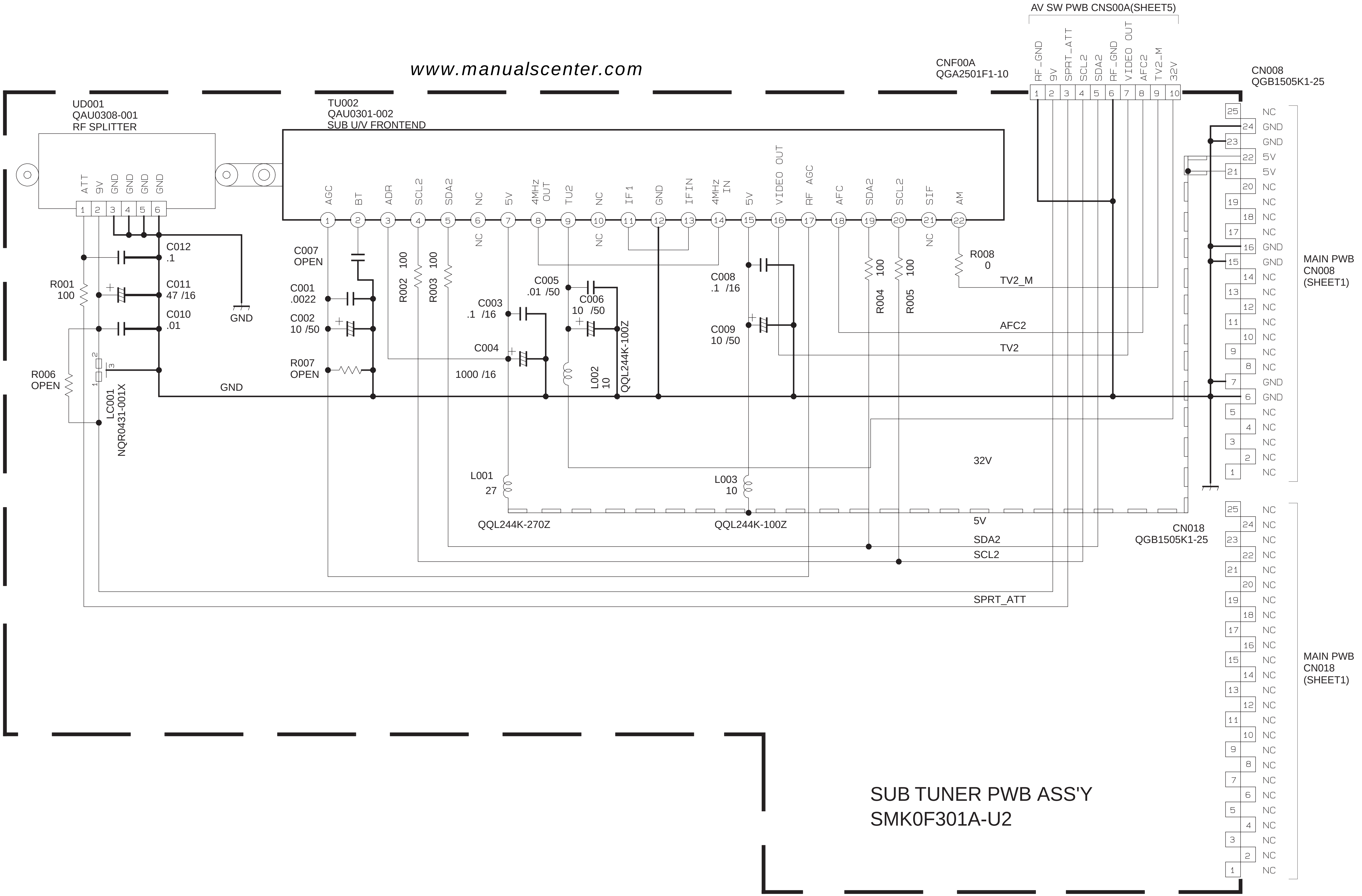
AV SW PWB CIRCUIT DIAGRAM SHEET 5


AV JACK PWB
CNJ00G
(SHEET6)
AV JACK PWB
CNJ020
(SHEET6)
FRONT CONTROL
PWB
CN800F
(SHEET21)
DIST PWB
CN00K
(SHEET17)
SUB TUNER PWB
CNF00A
(SHEET7)
AV SELECT
IC101
CXA2069Q
MULTI SOUND
PROCESSOR
IC501
MSP3415DQGB3GHX
VIDEO BUFFER
MEMORY PACK SW
AV SW PWB ASS'Y
SMK0S301A-U2
MAIN PWB CN007 (SHEET2)
MAIN PWB CN006 (SHEET2)
NOTE
*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: DTC323TK-X
0: NRSA63J-0R0X

AV JACK PWB CIRCUIT DIAGRAM SHEET 6

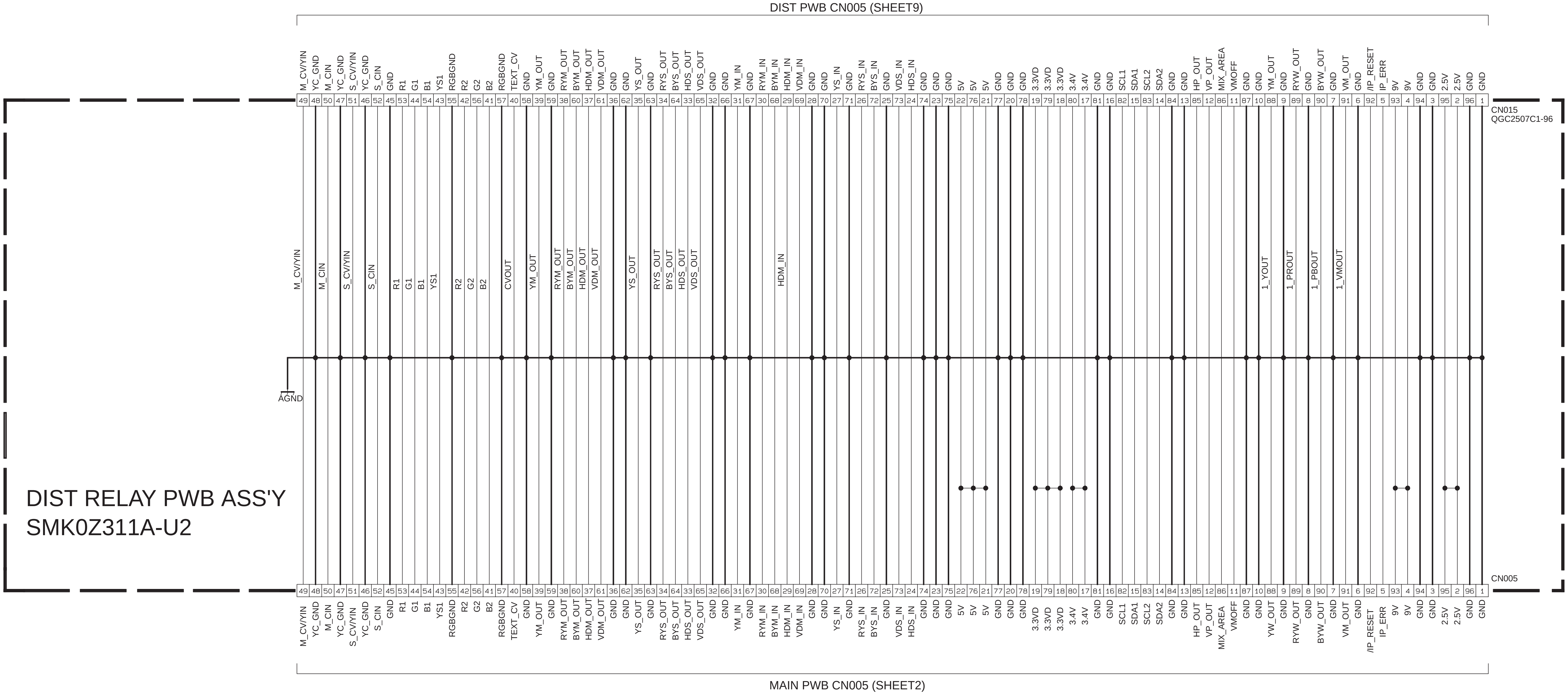

EXT-1
J001
CE40529-006
COMMON GND
V1 IN
VTV OUT
GND(V IN)
GND(V OUT)
YS IN
RIN
GND(Y)S
GND(R)
NC
G IN
NC
GND(G)
SLOW SW1
B IN
L1 IN
GND(B)
AUDIO GND
LTV OUT
R1 IN
RTV OUT
GND
R109 75
R107 75
D103 MA3056/M/-X
D104 MA3056/M/-X
R108 75
D304 MTZJ12C-T2
R106 75
D102 MA3056/M/-X
R105 75
D101 MA3056/M/-X
CE42681-001Y
C104 .0047
K101
C103 .0047
C102 .0047
C101 .0047
K102
CE42681-001Y
EXT-2
J002
CE40529-006
COMMON GND
V2/Y 2 IN
V SEL OUT
GND(V IN)
GND(V OUT)
Ys IN
C2/R IN
NC(Y SOUT)
GND(R)
SDA2
G IN
AV LINK/SCL2
NC(G GND)
SLOW SW2
B IN
L 2 IN
GND(B)
AUDIO GND
L SEL OUT
R 2 IN
R SEL OUT
D114 MA3039/H/-X
R118 75
R119 75
D115 MA3120/M/-X
R117 75
D113
MA3056/M/-X
MA3056/M/-X
R116 75
D116
D117 MA3056/M/-X
D112
MA3056/M/-X
CE42681-001Y
C114 .0047
D111
R115 75
K103
C113 .0047
MA3056/M/-X
C112 .0047
C111 .0047
K104
CE42681-001Y
EXT-3
J003
CE40529-006
COMMON GND
V3/Y 3IN
NC
GND(V IN)
NC
NC(Y SIN)
C 3 IN
NC(Y SOUT)
GND(R)
SDA3
NC(G IN)
SCL3
NC(G GND)
SLOW SW3
NC(B IN)
L3IN
GND(B)
AUDIO GND
NC
R3IN
NC
R129 75
D310 MTZJ12C-T2
R127 75
K105
QQR0716-001Z
C124 .0047
C122 .0047
EXT-4
J004
QNN0463-001
Y
Cb
Cr
R301 75
C301 QRN143J-0R0X
D301 MA3120/M/-X
R311 75
C311 QRN143J-0R0X
D302 MA3120/M/-X
R321 75
C321 QRN143J-0R0X
D303 MA3120/M/-X
EXT-4
J005
QNN0493-001
L3
R3
C341 .0015
C342 .0015
K601 CE42681-001Y
GND
J006
QNN0571-001
AUDIO OUT
Rout
Lout
AV_GND
K602 CE42681-001Y
C651 .0047
C652 .0047
C653 .01
C654 .01
CNJ020
QGB1505K1-40
40 V1
39 GND
38 V1OUT
37 YS1
36 RE1IN
35 GR1IN
34 BU1IN
33 SLOW1
32 L1IN
31 R1IN
30 GND
29 L1OUT
28 R1OUT
27 V2Y2IN
26 GND
25 V2OUT
24 YS2
23 C2RE2IN
22 GR2IN
21 GND
20 AV_LINK/SCL2
19 SDA2
18 BU2IN/Y2
17 L2IN
16 R2IN
15 SLOW2/S2
14 L2OUT
13 R2OUT
12 V3Y3IN
11 C3IN
10 SLOW3/S3
9 L3IN
8 R3IN
7 EXT4Y
6 GND
5 EXT4CB
4 GND
3 EXT4CR
2 L4
1 R4
C657 OPEN
C656 OPEN
C655 OPEN
AV SW PWB
CNS020
(SHEET5)
CNJ00G
QJB003-035033
1 L_MONI
2 GND
3 R_MONI
AV SW PWB
CN00G
(SHEET5)
AV JACK PWB ASS'Y
SMK0J301A-U2

SUB TUNER PWB CIRCUIT DIAGRAM SHEET 7


AV SW PWB CNS00A(SHEET5)
CNF00A
QGA2501F1-10
RF_GND
9V
SPRT_ATT
SCL2
SDA2
RF_GND
VIDEO OUT
AFC2
TV2_M
32V
CN008
QGB1505K1-25
UD001
QAU0308-001
RF SPLITTER
ATT
9V
GND
GND
GND
GND
TU002
QAU0301-002
SUB U/V FRONTEND
AGC
BT
ADR
SCL2
SDA2
NC
5V
4MHz OUT
TU2
NC
IF1
GND
IFIN
4MHz IN
5V
VIDEO OUT
RF AGC
AFC
SDA2
SCL2
SIF
AM
C012
.1
R001
100
C011
47 /16
C010
.01
GND
R006
OPEN
LC001
NQR0431-001X
C007
OPEN
C001
.0022
C002
10 /50
R007
OPEN
R002 100
R003 100
C003
.1 /16
C004
1000 /16
C005
.01 /50
C006
10 /50
L002
10
QQL244K-100Z
C008
.1 /16
C009
10 /50
R004 100
R005 100
R008
0
TV2_M
AFC2
TV2
GND
L001
27
QQL244K-270Z
L003
10
QQL244K-100Z
32V
5V
SDA2
SCL2
SPRT_ATT
NC
GND
5V
MAIN PWB
CN008
(SHEET1)
CN018
QGB1505K1-25
MAIN PWB
CN018
(SHEET1)

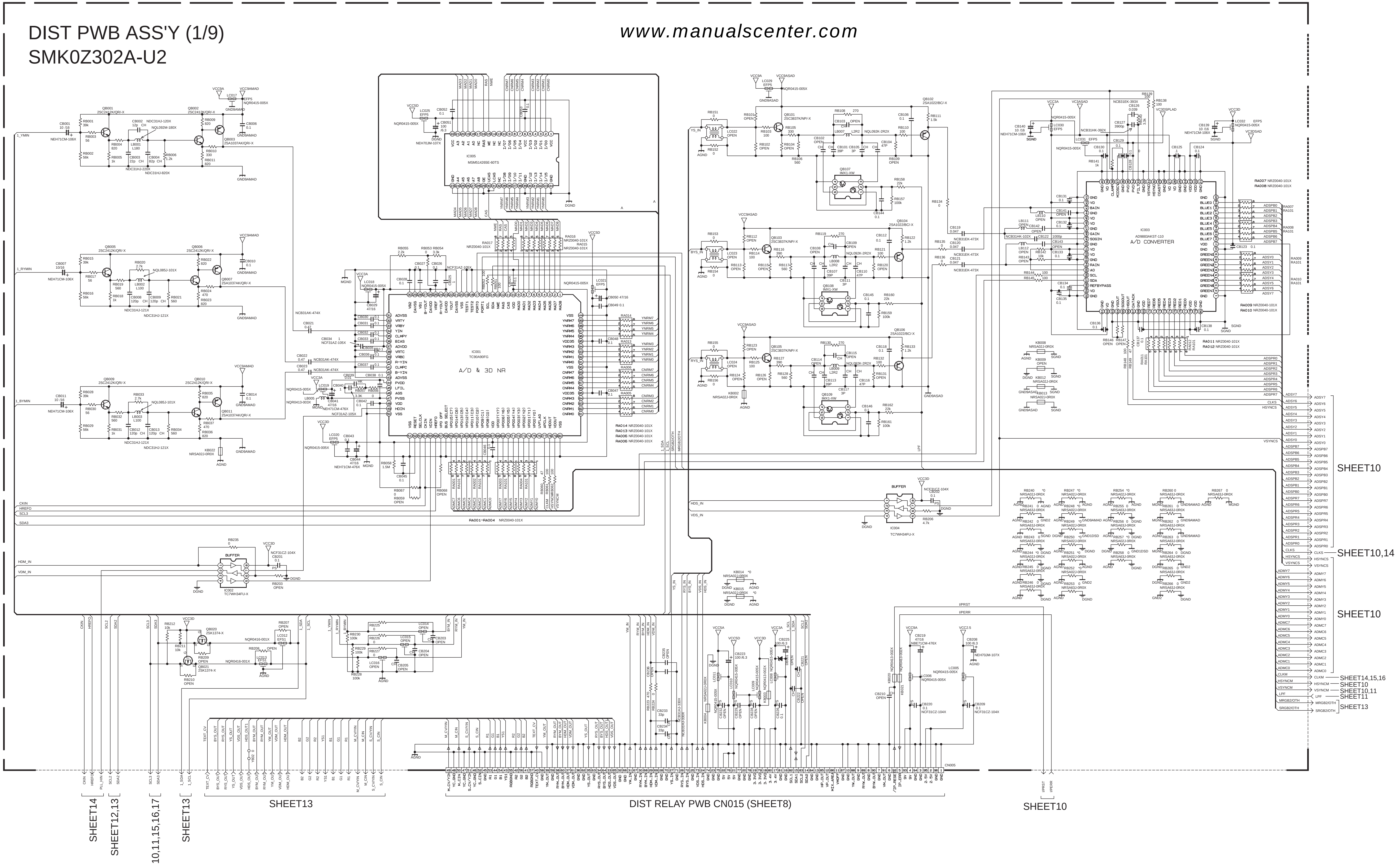
SUB TUNER PWB ASS'Y
SMK0F301A-U2

DIST RELAY PWB CIRCUIT DIAGRAM SHEET 8

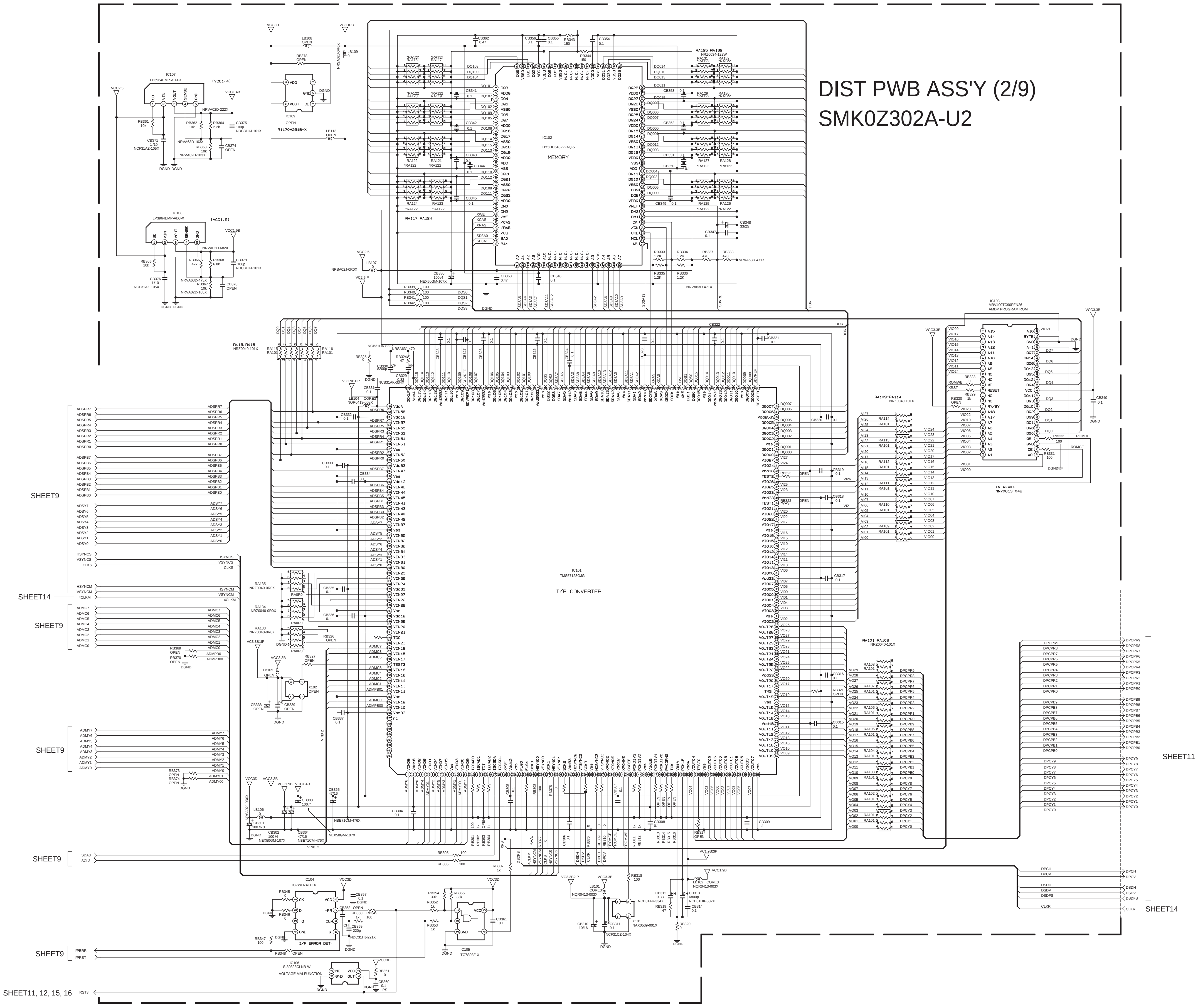

DIST PWB CN005 (SHEET9)
CN015
QGC2507C1-96
49 M_CV/YIN
48 YC_GND
50 M_CIN
47 YC_GND
51 S_CV/YIN
46 YC_GND
52 S_CIN
45 GND
53 R1
44 G1
54 B1
43 YS1
55 RGBGND
42 R2
56 G2
41 B2
57 RGBGND
40 TEXT_CV
58 GND
39 YM_OUT
59 GND
38 RYM_OUT
60 BYM_OUT
37 HDM_OUT
61 VDM_OUT
36 GND
62 GND
35 YS_OUT
63 GND
34 RYS_OUT
64 BYS_OUT
33 HDS_OUT
65 VDS_OUT
32 GND
66 GND
31 YM_IN
67 GND
30 RYM_IN
68 BYM_IN
29 HDM_IN
69 VDM_IN
28 GND
70 GND
27 YS_IN
71 GND
26 RYS_IN
72 BYS_IN
25 GND
73 VDS_IN
24 HDS_IN
74 GND
23 GND
75 GND
22 5V
76 5V
21 5V
77 GND
20 GND
78 GND
19 3.3VD
79 3.3VD
18 3.3VD
80 3.4V
17 3.4V
81 GND
16 GND
82 SCL1
15 SDA1
83 SCL2
14 SDA2
84 GND
13 GND
85 HP_OUT
12 VP_OUT
86 MIX_AREA
11 VMOFF
87 GND
10 GND
88 YM_OUT
9 GND
89 RYW_OUT
8 GND
90 BYW_OUT
7 GND
91 VM_OUT
6 GND
92 /IP_RESET
5 IP_ERR
93 9V
4 9V
94 GND
3 GND
95 2.5V
2 2.5V
96 GND
1 GND
M_CV/YIN
M_CIN
S_CV/YIN
S_CIN
R1
G1
B1
YS1
R2
G2
B2
CVOUT
YM_OUT
RYM_OUT
BYM_OUT
HDM_OUT
VDM_OUT
YS_OUT
RYS_OUT
BYS_OUT
HDS_OUT
VDS_OUT
HDM_IN
1_YOUT
1_PROUT
1_PBOUT
1_VMOUT
AGND
DIST RELAY PWB ASS'Y
SMK0Z311A-U2
CN005
88 YW_OUT
MAIN PWB CN005 (SHEET2)

DIST PWB CIRCUIT DIAGRAM (1/9) SHEET 9

DIST PWB ASS'Y (1/9)
SMK0Z302A-U2

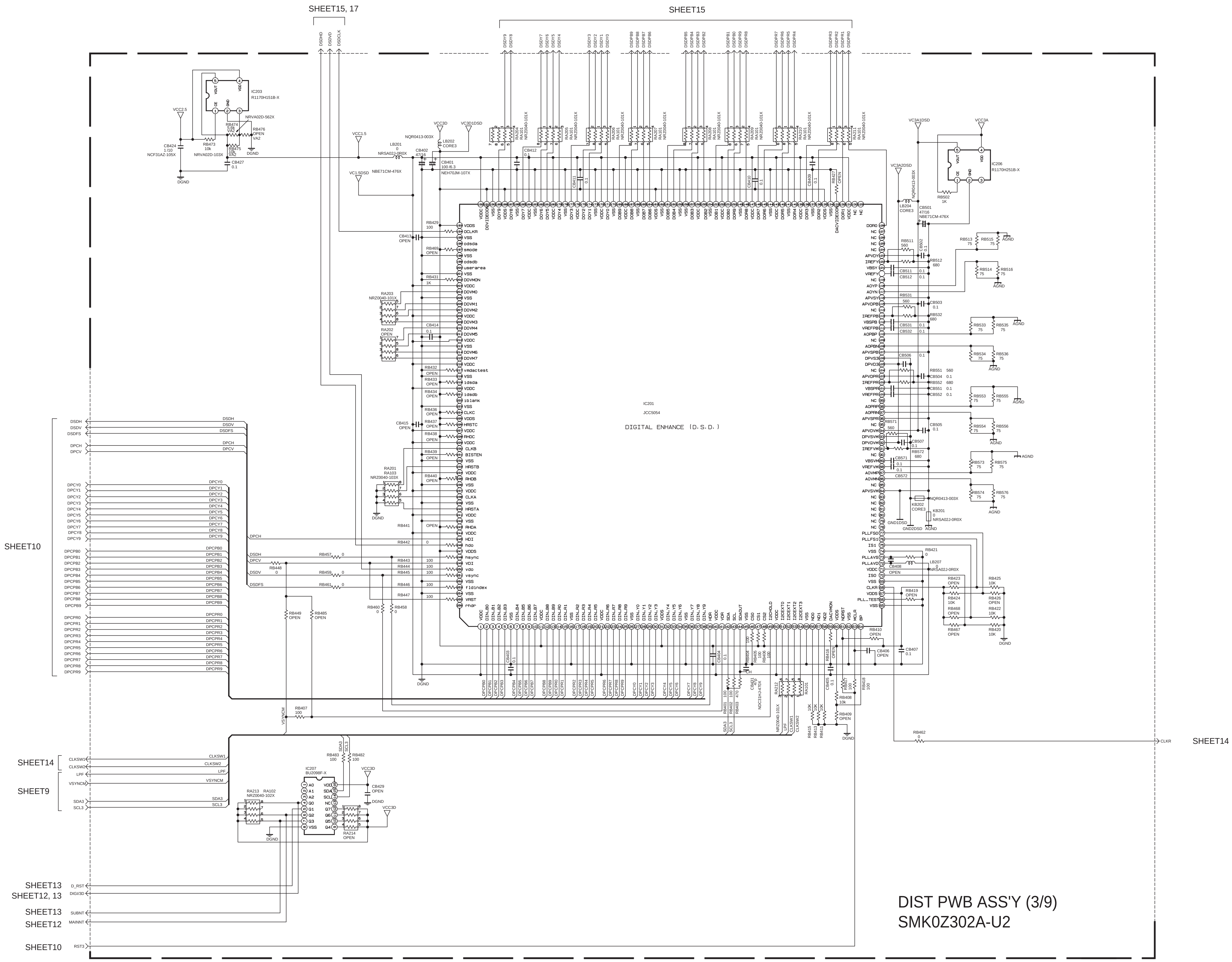

IC005
MSM514265E-60TS
IC001
TC90A90FG
A/D & 3D NR
IC003
AD9883AKST-110
A/D CONVERTER
BUFFER
IC002
TC7WH34FU-X
BUFFER
IC004
TC7WH34FU-X
CN005
SHEET10
SHEET10,14
SHEET10
SHEET14,15,16
SHEET10
SHEET10,11
SHEET11
SHEET13
SHEET14
SHEET12,13
SHEET10,11,15,16,17
SHEET13
SHEET13
DIST RELAY PWB CN015 (SHEET8)
SHEET10

DIST PWB CIRCUIT DIAGRAM (2/9) SHEET 10

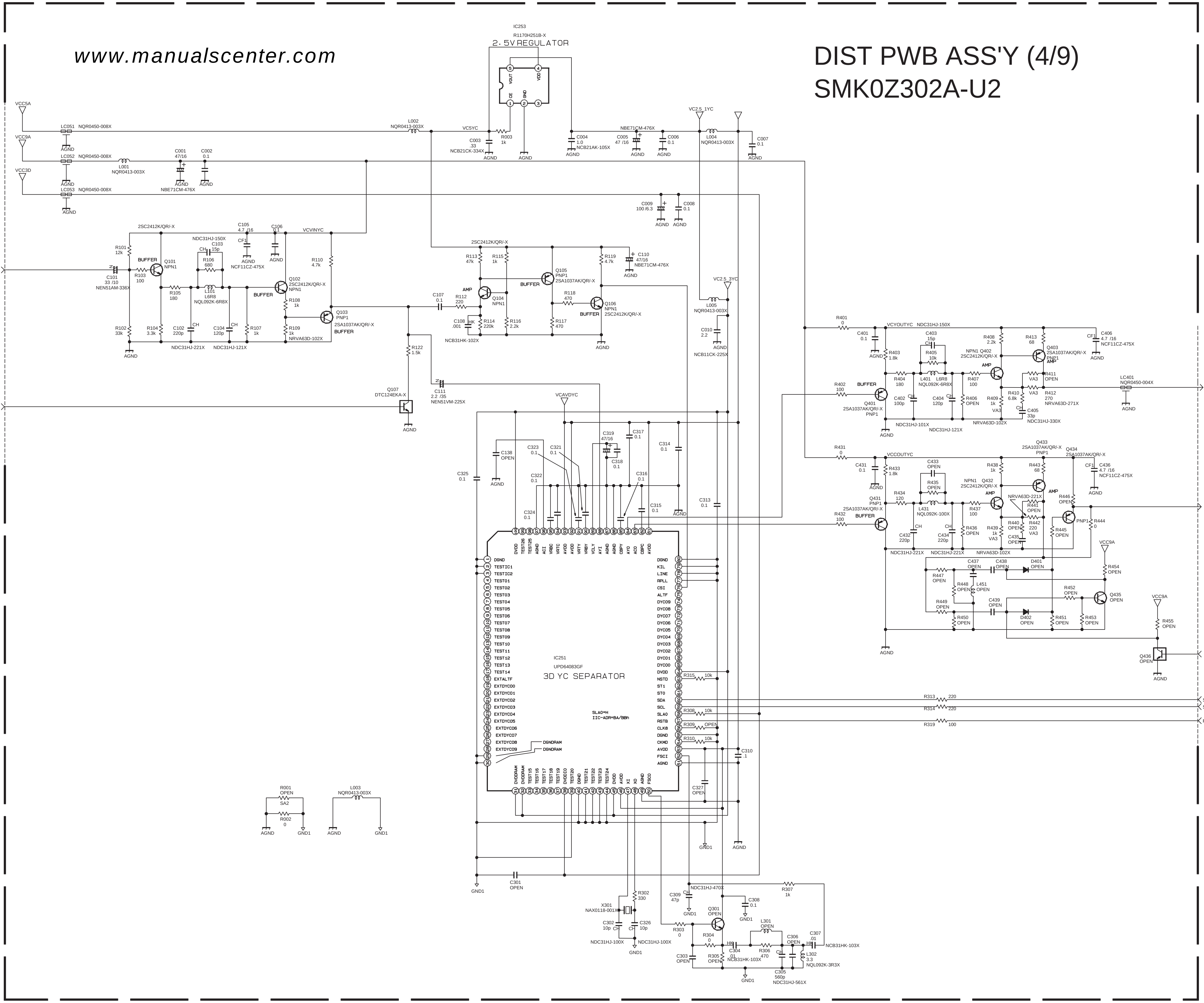

DIST PWB ASS'Y (2/9)
SMK0Z302A-U2
IC107 LP3964EMP-ADJ-X
(VCC1.4)
IC108 LP3964EMP-ADJ-X
(VCC1.9)
IC109 OPEN
R1170H251B-X
IC102 HY5DU643222AQ-5
MEMORY
RA117~RA124
RA125~RA132
IC101 TMS57129GJG
I/P CONVERTER
IC103 MBV400TC90PFN26
AMDP PROGRAM ROM
IC SOCKET NNV0013-048
R115~R116
RA109~RA114
RA101~RA108
X102 OPEN
IC104 TC7WH74FU-X
I/P ERROR DET.
IC105 TC7S08F-X
IC106 S-80829CLNB-W
VOLTAGE MALFUNCTION
X101 NAX0539-001X
SHEET9
SHEET14
SHEET9
SHEET9
SHEET9
SHEET9
SHEET11, 12, 15, 16
SHEET11
SHEET14

DIST PWB CIRCUIT DIAGRAM (3/9) SHEET 11

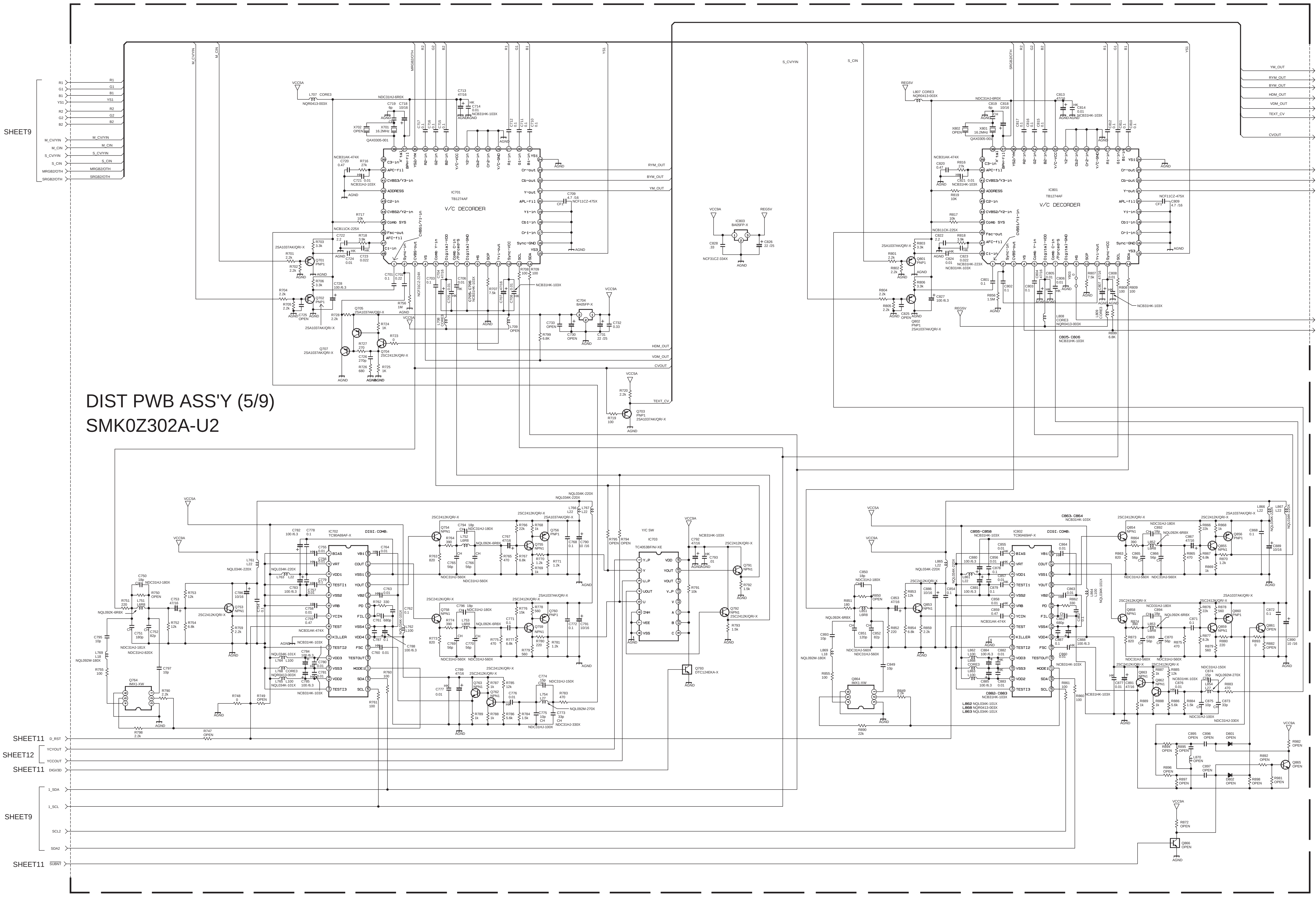
www.manualscenter.com


SHEET15, 17
SHEET15
DSDHD
DSDVD
DSDCLK
IC203
R1170H151B-X
VCC2.5
CB424
NCF31AZ-105X
RB473
RB474
RB475
RB476
NRVA02D-562X
NRVA02D-103X
CB427
DGND
VCC1.5
VCC3D
VC3D1DSD
LB201
LB202
CORE3
NQR0413-003X
NRSA02J-0R0X
CB401
CB402
NBE71CM-476X
NEH70JM-107X
VC1.5DSD
VC3A1DSD
VCC3A
IC206
R1170H251B-X
VC3A2DSD
LB204
CB501
RB502
IC201
JCC5054
DIGITAL ENHANCE (D.S.D.)
RA203
RA202
RA201
NRZ0040-101X
NRZ0040-103X
SHEET10
DSDH
DSDV
DSDFS
DPCH
DPCV
DPCY0
DPCY1
DPCY2
DPCY3
DPCY4
DPCY5
DPCY6
DPCY7
DPCY8
DPCY9
DPCPB0
DPCPB1
DPCPB2
DPCPB3
DPCPB4
DPCPB5
DPCPB6
DPCPB7
DPCPB8
DPCPB9
DPCPR0
DPCPR1
DPCPR2
DPCPR3
DPCPR4
DPCPR5
DPCPR6
DPCPR7
DPCPR8
DPCPR9
SHEET14
CLKSW1
CLKSW2
SHEET9
LPF
VSYNCM
SDA3
SCL3
IC207
BU2098F-X
RA213
RA102
NRZ0040-102X
RA214
CB429
VCC3D
SHEET13
D_RST
SHEET12, 13
DIGI/3D
SHEET13
SUBNT
SHEET12
MAINNT
SHEET10
RST3
RB462
CLKR
SHEET14
DIST PWB ASS'Y (3/9)
SMK0Z302A-U2

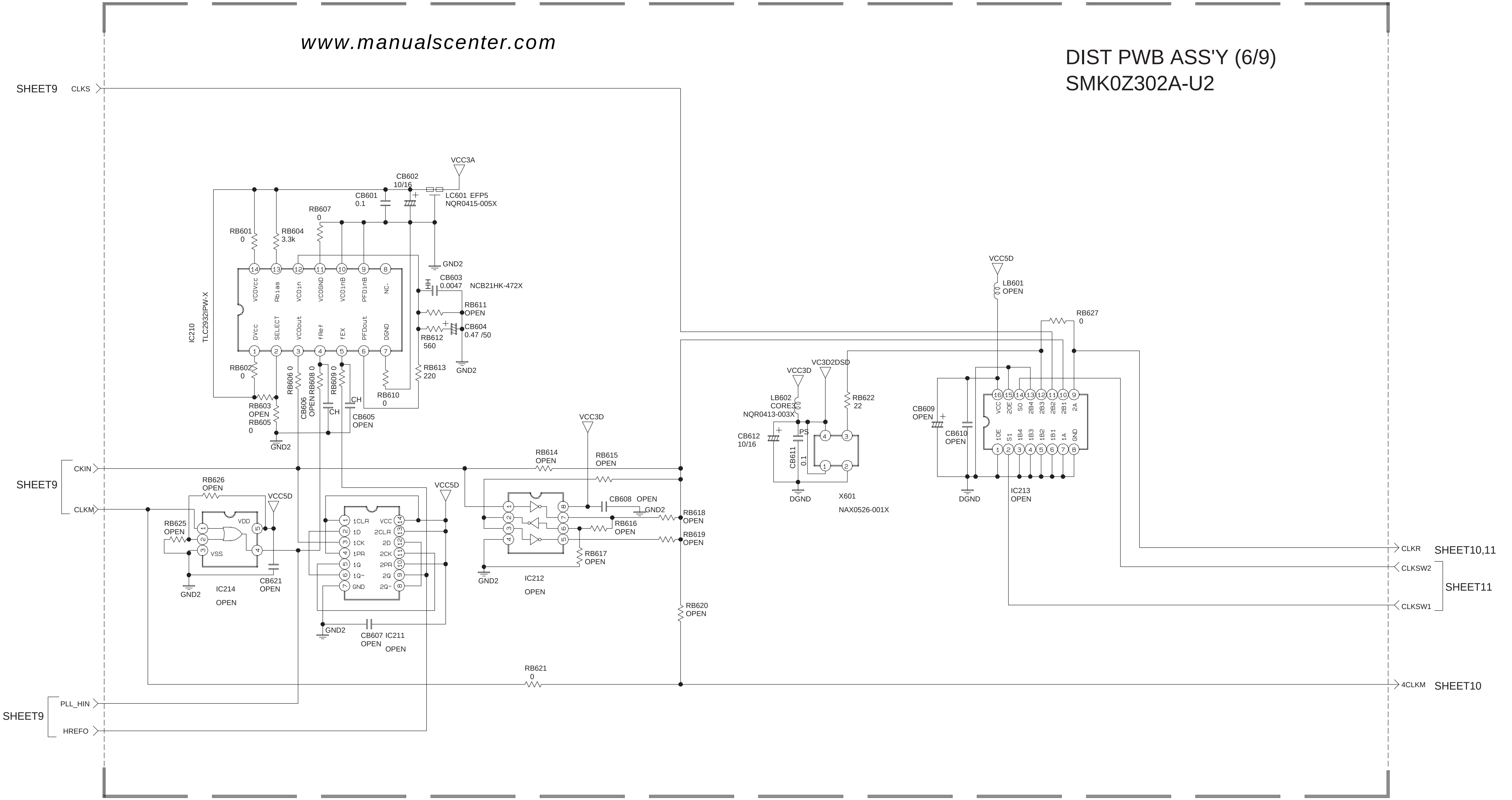
DIST PWB CIRCUIT DIAGRAM (4/9) SHEET 12


www.manualscenter.com
DIST PWB ASS'Y (4/9)
SMK0Z302A-U2
IC253
R1170H251B-X
2.5V REGULATOR
VCC5A
VCC9A
VCC3D
VC5YC
VC2.5_1YC
VC2.5_3YC
VCVINYC
VCAVDYC
VCYOUTYC
VCCOUTYC
SHEET13
CVOUT
SHEET11
DIGI/3D
BUFFER
AMP
Q101
Q102
Q103
Q104
Q105
Q106
Q107
DTC124EKA-X
IC251
UPD64083GF
3D YC SEPARATOR
SLAO=H
IIC-ADR=BA/BBh
DGNDRAM
X301
NAX0118-001X
Q301
Q401
Q402
Q403
Q431
Q432
Q433
Q434
Q435
Q436
D401
D402
YCYOUT
YCCOUT
SHEET13
MAINNT
SHEET11
SDA2
SCL2
SHEET9
RST3
SHEET10
R313 220
R314 220
R319 100
AGND
GND1

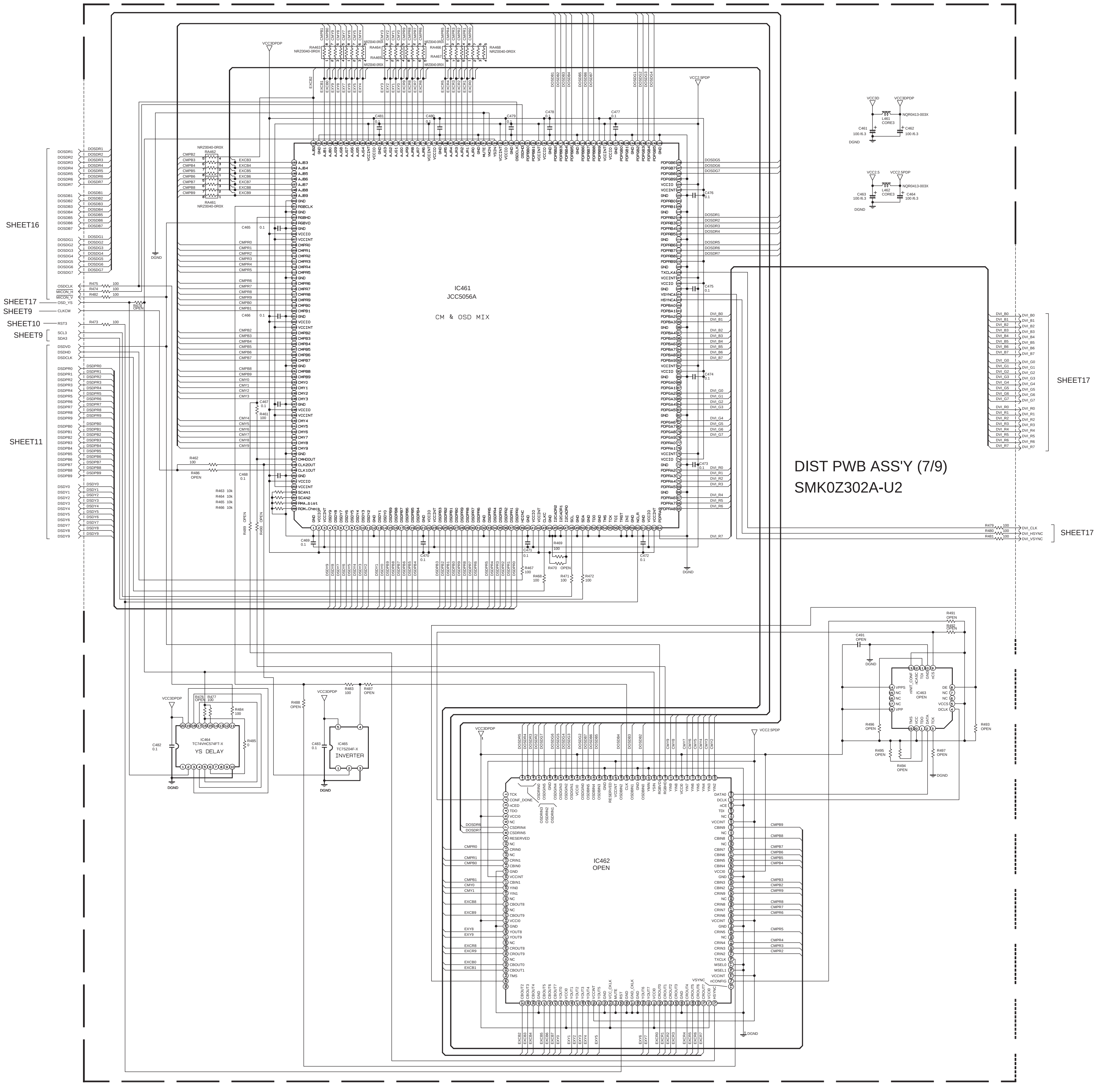
DIST PWB CIRCUIT DIAGRAM (5/9) SHEET 13


DIST PWB ASS'Y (5/9)
SMK0Z302A-U2
SHEET9
SHEET12
SHEET11
IC701 TB1274AF
V/C DECORDER
IC801 TB1274AF
V/C DECORDER
IC803 BA05FP-X
IC704 BA05FP-X
IC702 TC90A69AF-X
DIGI-COMB.
IC802 TC90A69AF-X
DIGI-COMB.
IC703 TC4053BF(N)-XE
Y/C SW
VCC5A
VCC9A
REG5V
AGND
YM_OUT
RYM_OUT
BYM_OUT
HDM_OUT
VDM_OUT
TEXT_CV
CVOUT
RYS_OUT
BYS_OUT
YS_OUT
HDS_OUT
VDS_OUT
M_CVYIN
M_CIN
S_CVYIN
S_CIN
MRGB2OTH
SRGB2OTH
D_RST
YCCOUT
DIGI/3D
1_SDA
1_SCL
SCL2
SDA2
SUBNT

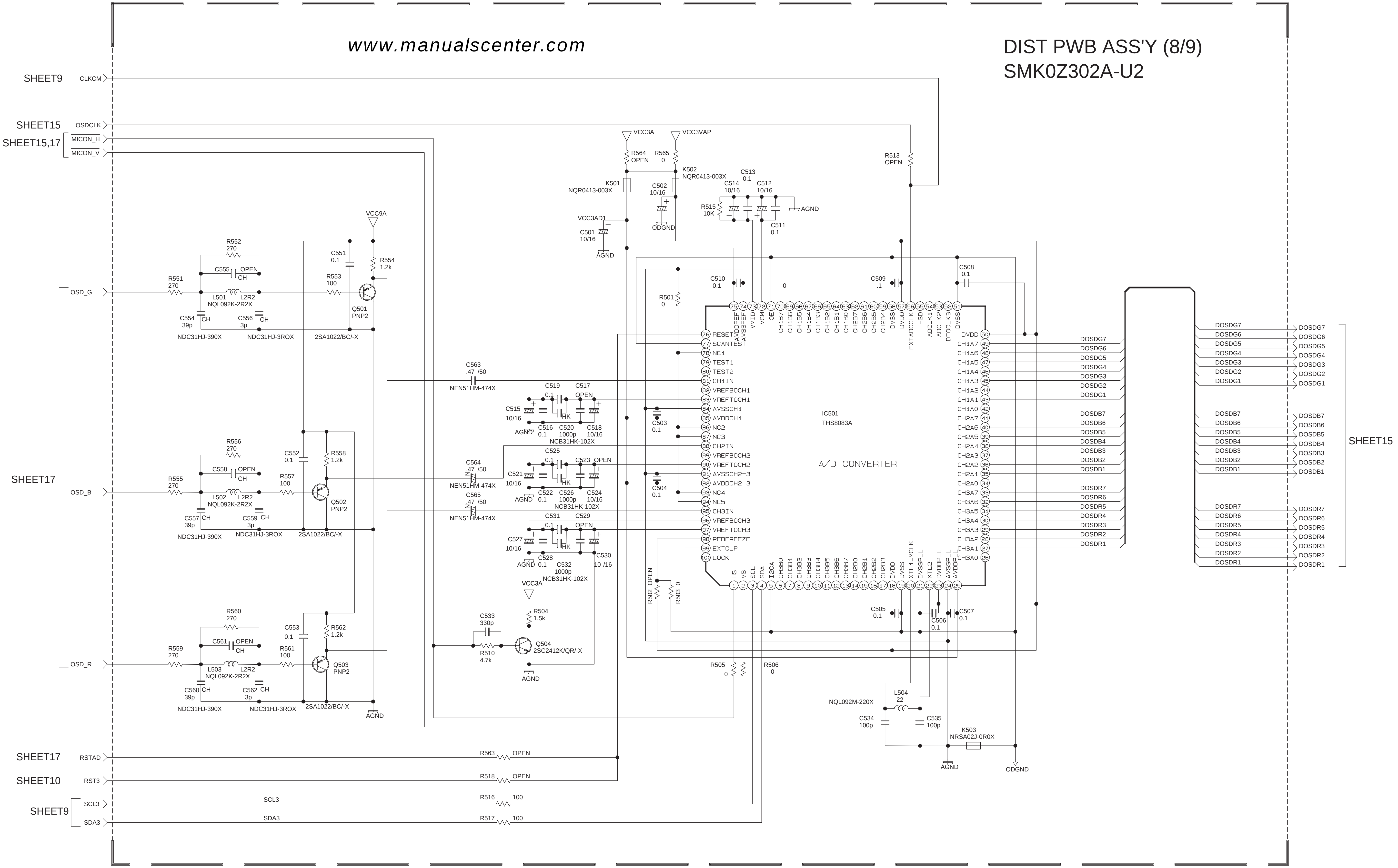
DIST PWB CIRCUIT DIAGRAM (6/9) SHEET 14


DIST PWB ASS'Y (6/9)
SMK0Z302A-U2
SHEET9
CLKS
CKIN
CLKM
PLL_HIN
HREFO
CLKR
SHEET10,11
CLKSW2
CLKSW1
SHEET11
4CLKM
SHEET10
VCC3A
CB602
10/16
CB601
0.1
LC601 EFP5
NQR0415-005X
RB607
0
RB601
0
RB604
3.3k
GND2
CB603
0.0047
NCB21HK-472X
RB611
OPEN
CB604
0.47 /50
RB612
560
RB613
220
IC210
TLC2932IPW-X
VCOVcc
Rbias
VCOin
VCOGND
VCOinB
PFDinB
NC
DVcc
SELECT
VCOout
fRef
fEX
PFDout
DGND
RB602
0
RB606 0
RB608 0
RB609 0
RB603
OPEN
RB605
0
CB606
OPEN
CH
CB605
OPEN
RB610
0
RB614
OPEN
RB615
OPEN
VCC3D
RB626
OPEN
VCC5D
RB625
OPEN
VDD
VSS
CB621
OPEN
IC214
OPEN
1CLR
1D
1CK
1PR
1Q
1Q~
GND
VCC
2CLR
2D
2CK
2PR
2Q
2Q~
CB607
IC211
OPEN
CB608 OPEN
RB616
OPEN
RB617
OPEN
RB618
OPEN
RB619
OPEN
IC212
OPEN
RB620
OPEN
RB621
0
VC3D2DSD
LB602
CORE3
NQR0413-003X
CB612
10/16
CB611
0.1
PS
RB622
22
DGND
X601
NAX0526-001X
VCC5D
LB601
OPEN
RB627
0
CB609
OPEN
CB610
OPEN
VCC
2OE
S0
2B4
2B3
2B2
2B1
2A
1OE
S1
1B4
1B3
1B2
1B1
1A
GND
IC213
OPEN

DIST PWB CIRCUIT DIAGRAM (7/9) SHEET 15

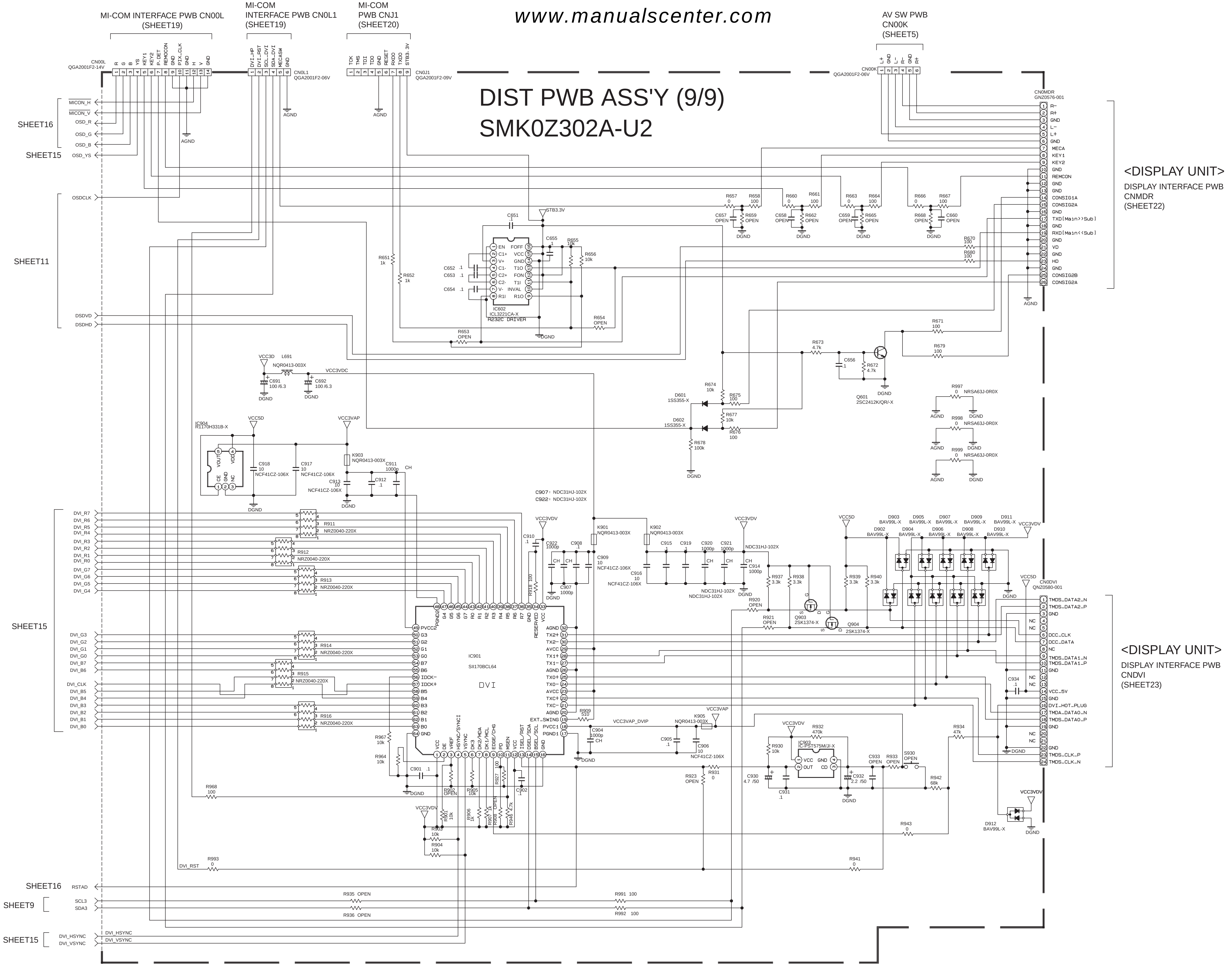

SHEET16
SHEET17
SHEET9
SHEET10
SHEET9
SHEET11
IC461
JCC5056A
CM & OSD MIX
SHEET17
DIST PWB ASS'Y (7/9)
SMK0Z302A-U2
SHEET17
IC464
TC74VHC574FT-X
YS DELAY
IC465
TC7S04F-X
INVERTER
IC463
OPEN
IC462
OPEN
VCC3DPDP
VCC2.5PDP
DGND

DIST PWB CIRCUIT DIAGRAM (8/9) SHEET 16

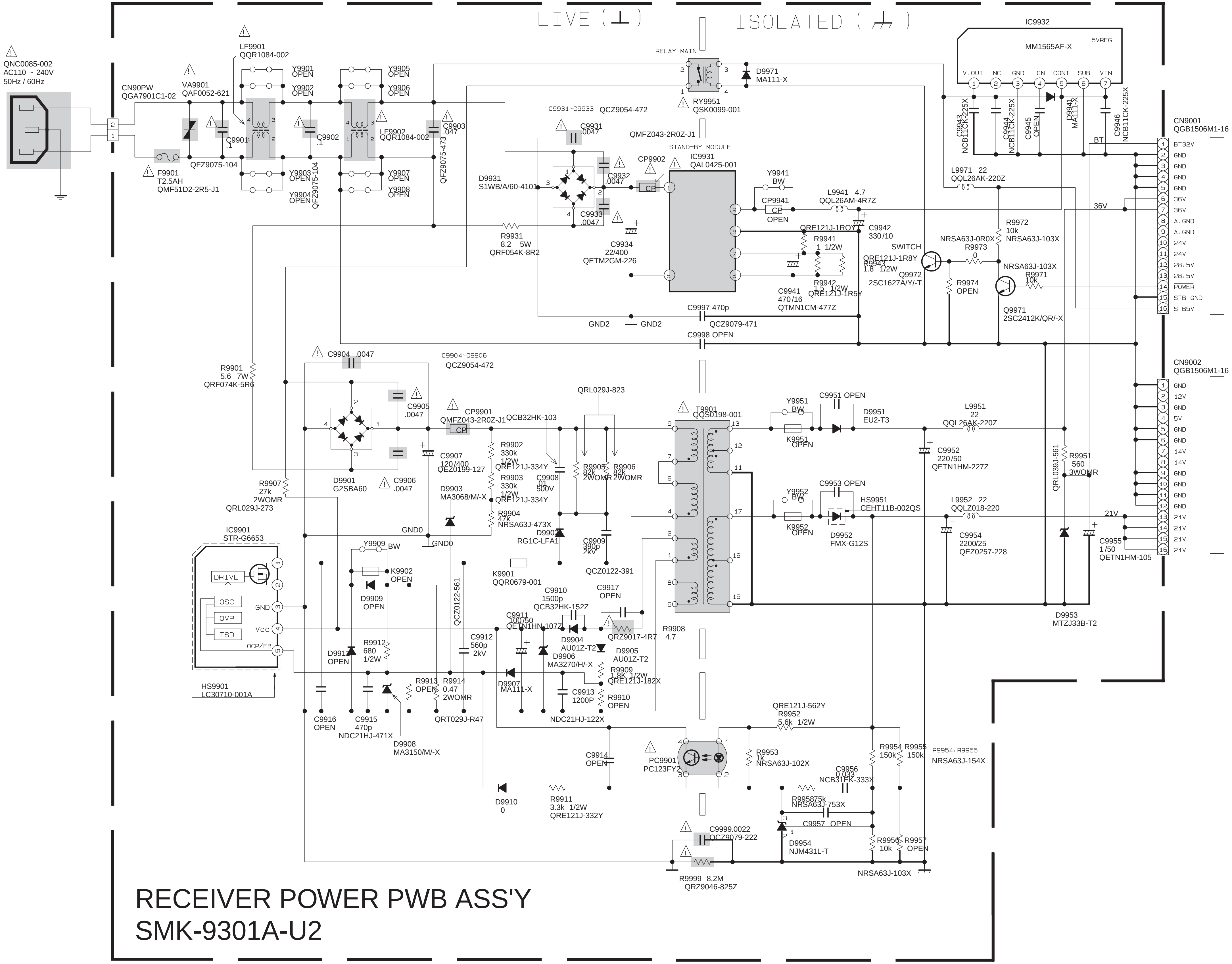


DIST PWB ASS'Y (8/9)
SMK0Z302A-U2
SHEET9 CLKCM
SHEET15 OSDCLK
SHEET15,17 MICON_H MICON_V
SHEET17 OSD_G OSD_B OSD_R
SHEET17 RSTAD
SHEET10 RST3
SHEET9 SCL3 SDA3
SHEET15
IC501
THS8083A
A/D CONVERTER
VCC3A
VCC3VAP
VCC9A
VCC3AD1
R564 OPEN
R565 0
K501 NQR0413-003X
K502 NQR0413-003X
C502 10/16
ODGND
R515 10K
C514 10/16
C513 0.1
C512 10/16
C511 0.1
AGND
R513 OPEN
C501 10/16
C510 0.1
C509 .1
C508 0.1
R501 0
R552 270
C555 OPEN CH
R551 270
L501 L2R2 NQL092K-2R2X
C554 39p CH
C556 3p CH
NDC31HJ-390X
NDC31HJ-3ROX
R553 100
C551 0.1
R554 1.2k
Q501 PNP2
2SA1022/BC/-X
C563 .47 /50 NEN51HM-474X
C519 0.1
C517 OPEN
C515 10/16
C516 0.1
C520 1000p
C518 10/16
NCB31HK-102X
HK
C503 0.1
R556 270
C558 OPEN CH
R555 270
L502 L2R2 NQL092K-2R2X
C557 39p CH
C559 3p CH
R557 100
C552 0.1
R558 1.2k
Q502 PNP2
C564 .47 /50 NEN51HM-474X
C565 .47 /50 NEN51HM-474X
C525
C521 10/16
C522 0.1
C526 1000p
C523 OPEN
C524 10/16
NCB31HK-102X
C504 0.1
R560 270
C561 OPEN CH
R559 270
L503 L2R2 NQL092K-2R2X
C560 39p CH
C562 3p CH
R561 100
C553 0.1
R562 1.2k
Q503 PNP2
C531
C529 OPEN
C527 10/16
C528 0.1
C532 1000p
C530 10 /16
NCB31HK-102X
R504 1.5k
C533 330p
R510 4.7k
Q504 2SC2412K/QR/-X
R502 OPEN
R503 0
R505 0
R506 0
C505 0.1
C506 0.1
C507 0.1
L504 22 NQL092M-220X
C534 100p
C535 100p
K503 NRSA02J-0R0X
R563 OPEN
R518 OPEN
R516 100
R517 100
76 RESET
77 SCANTEST
78 NC1
79 TEST1
80 TEST2
81 CH1IN
82 VREFBOCH1
83 VREFTOCH1
84 AVSSCH1
85 AVDDCH1
86 NC2
87 NC3
88 CH2IN
89 VREFBOCH2
90 VREFTOCH2
91 AVSSCH2-3
92 AVDDCH2-3
93 NC4
94 NC5
95 CH3IN
96 VREFBOCH3
97 VREFTOCH3
98 PFDFREEZE
99 EXTCLP
100 LOCK
75 AVDDREF
74 AVSSREF
73 VMID
72 VCM
71 OE
70 CH1B7
69 CH1B6
68 CH1B5
67 CH1B4
66 CH1B3
65 CH1B2
64 CH1B1
63 CH1B0
62 CH2B7
61 CH2B6
60 CH2B5
59 CH2B4
58 DVSS
57 DVDD
56 EXTADCCLK
55 HSO
54 ADCLK1
53 ADCLK2
52 DTOCLK3
51 DVSS
50 DVDD
49 CH1A7
48 CH1A6
47 CH1A5
46 CH1A4
45 CH1A3
44 CH1A2
43 CH1A1
42 CH1A0
41 CH2A7
40 CH2A6
39 CH2A5
38 CH2A4
37 CH2A3
36 CH2A2
35 CH2A1
34 CH2A0
33 CH3A7
32 CH3A6
31 CH3A5
30 CH3A4
29 CH3A3
28 CH3A2
27 CH3A1
26 CH3A0
1 HS
2 VS
3 SCL
4 SDA
5 I2CA
6 CH3B0
7 CH3B1
8 CH3B2
9 CH3B3
10 CH3B4
11 CH3B5
12 CH3B6
13 CH3B7
14 CH2B0
15 CH2B1
16 CH2B2
17 CH2B3
18 DVDD
19 DVSS
20 XTL1_MCLK
21 DVSSPLL
22 XTL2
23 DVDDPLL
24 AVSSPLL
25 AVDDPLL
DOSDG7 DOSDG6 DOSDG5 DOSDG4 DOSDG3 DOSDG2 DOSDG1
DOSDB7 DOSDB6 DOSDB5 DOSDB4 DOSDB3 DOSDB2 DOSDB1
DOSDR7 DOSDR6 DOSDR5 DOSDR4 DOSDR3 DOSDR2 DOSDR1
SCL3
SDA3

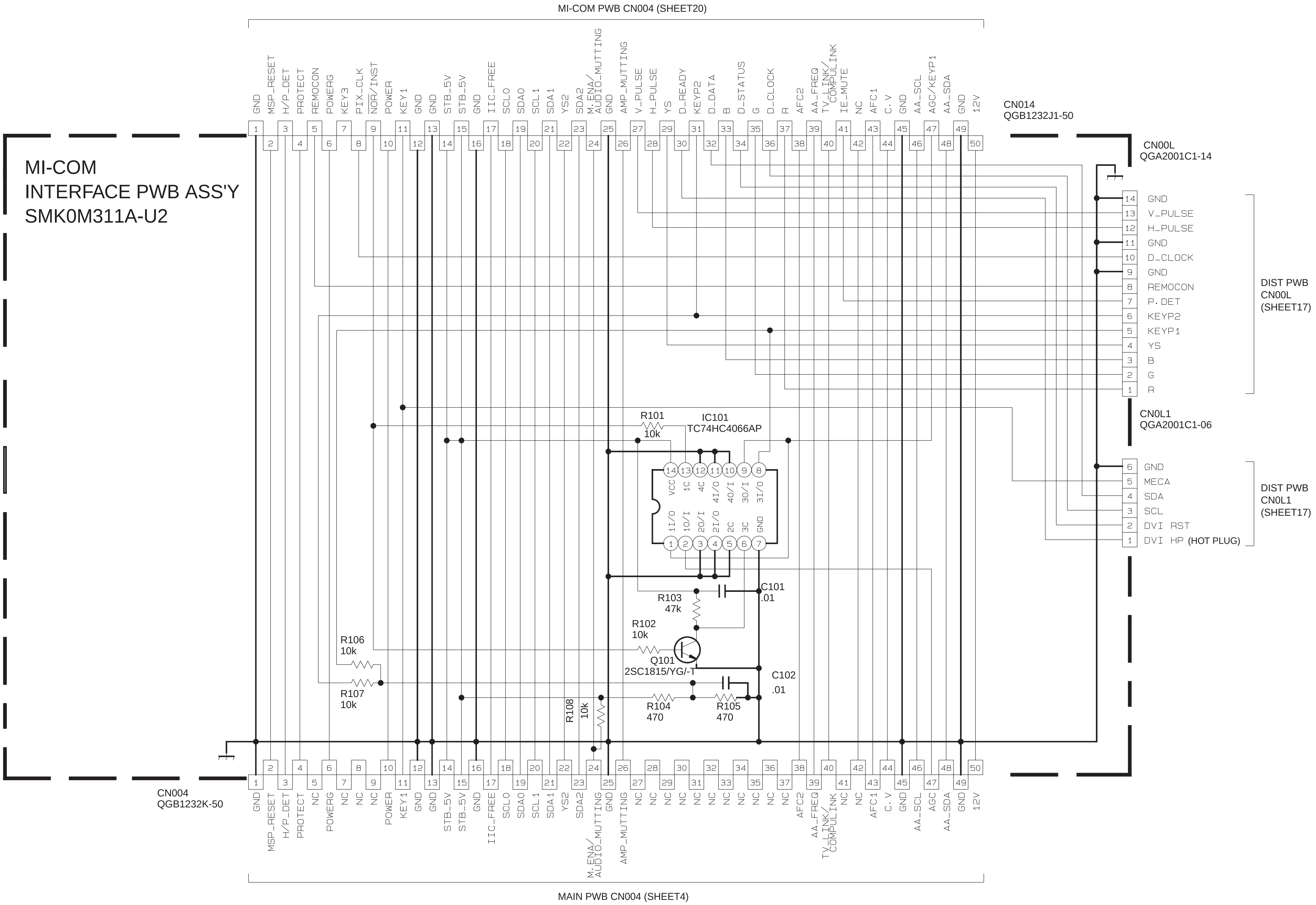
DIST PWB CIRCUIT DIAGRAM (9/9) SHEET 17


DIST PWB ASS'Y (9/9)
SMK0Z302A-U2
MI-COM INTERFACE PWB CN00L (SHEET19)
MI-COM INTERFACE PWB CN0L1 (SHEET19)
MI-COM PWB CNJ1 (SHEET20)
AV SW PWB CN00K (SHEET5)
CN00L QGA2001F2-14V
CN0L1 QGA2001F2-06V
CNJ01 QGA2001F2-09V
CN00K QGA2001F2-06V
<DISPLAY UNIT>
DISPLAY INTERFACE PWB CNMDR (SHEET22)
CNMDR GNZ0576-001
<DISPLAY UNIT>
DISPLAY INTERFACE PWB CNDVI (SHEET23)
CN0DVI QNZ0580-001
SHEET16
SHEET15
SHEET11
SHEET15
SHEET16
SHEET9
SHEET15
MICON_H
MICON_V
OSD_R
OSD_G
OSD_B
OSD_YS
OSDCLK
DSDVD
DSDHD
RSTAD
SCL3
SDA3
DVI_HSYNC
DVI_VSYNC
IC602 ICL3221CA-X RS232C DRIVER
IC901 SII170BCL64 DVI
IC904 R1170H331B-X
IC903 IC-PST575MJ/J-X
Q601 2SC2412K/QR/-X
Q903 2SK1374-X
Q904 2SK1374-X
AGND
DGND
VCC3D
VCC5D
VCC3VAP
VCC3VDV
STB3.3V

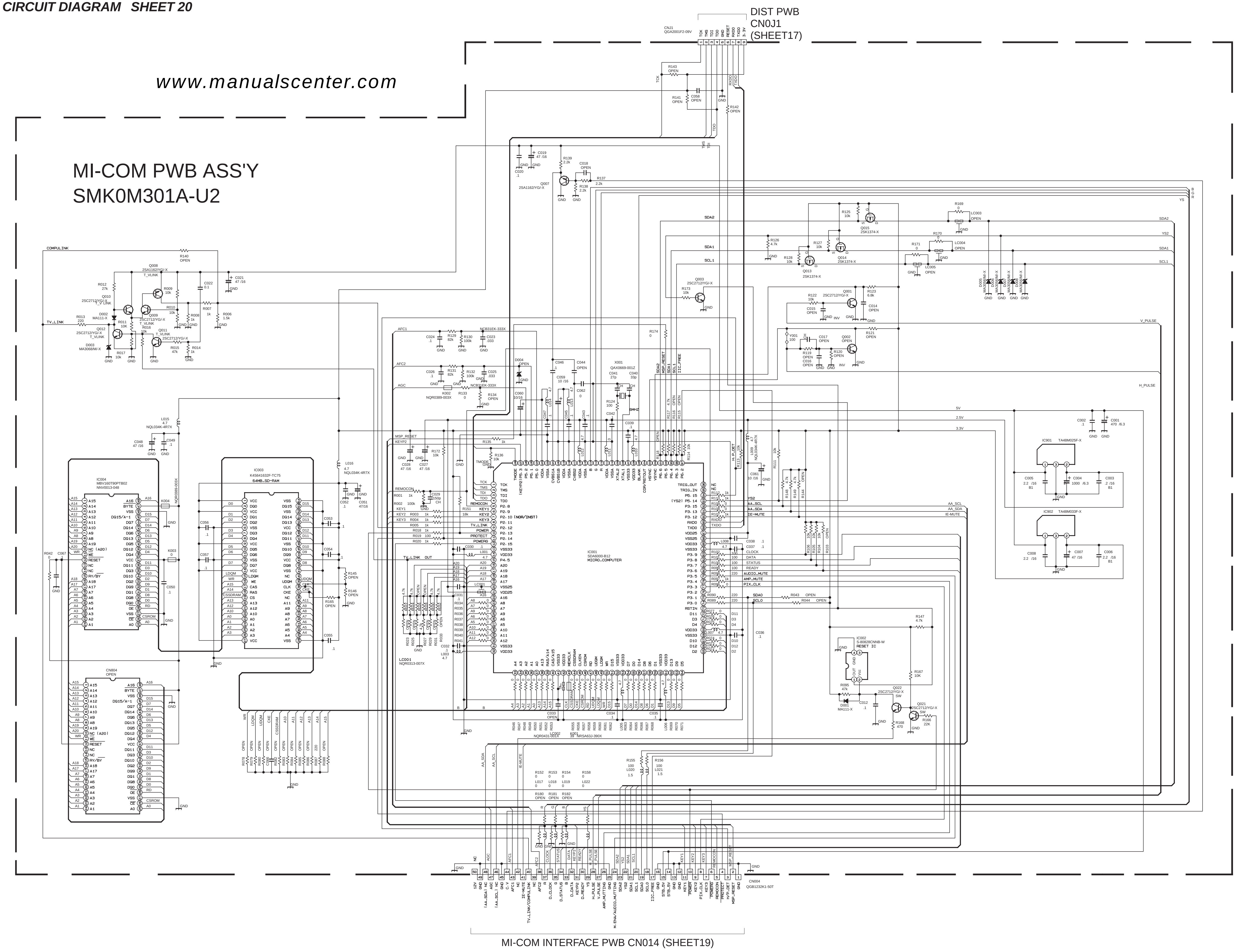
RECEIVER POWER PWB CIRCUIT DIAGRAM SHEET 18


LIVE (⊥)
ISOLATED (⏚)
QNC0085-002
AC110 ~ 240V
50Hz / 60Hz
CN90PW
QGA7901C1-02
VA9901
QAF0052-621
F9901
T2.5AH
QMF51D2-2R5-J1
QFZ9075-104
LF9901
QQR1084-002
Y9901 OPEN
Y9902 OPEN
Y9903 OPEN
Y9904 OPEN
C9901 .1
C9902 .1
QFZ9075-104
Y9905 OPEN
Y9906 OPEN
Y9907 OPEN
Y9908 OPEN
LF9902 QQR1084-002
C9903 .047
QFZ9075-473
RELAY MAIN
RY9951
QSK0099-001
D9971
MA111-X
C9931~C9933 QCZ9054-472
C9931 .0047
C9932 .0047
C9933 .0047
QMFZ043-2R0Z-J1
CP9902
CP
D9931
S1WB/A/60-4101
R9931
8.2 5W
QRF054K-8R2
C9934
22/400
QETM2GM-226
STAND-BY MODULE
IC9931
QAL0425-001
Y9941 BW
CP9941 CP OPEN
L9941 4.7
QQL26AM-4R7Z
QRE121J-1R0Y
R9941
1 1/2W
C9942
330/10
R9943
1.8 1/2W
QRE121J-1R8Y
R9942
1.5 1/2W
QRE121J-1R5Y
C9941
470/16
QTMN1CM-477Z
C9997 470p
QCZ9079-471
C9998 OPEN
GND2
GND2
IC9932
MM1565AF-X
5VREG
V.OUT NC GND CN CONT SUB VIN
C9943 NCB11CK-225X
C9944 NCB11CK-225X
C9945 OPEN
D9941 MA111-X
C9946 NCB11CK-225X
L9971 22
QQL26AK-220Z
BT
36V
SWITCH
NRSA63J-0R0X
R9973 0
R9972
10k
NRSA63J-103X
Q9972
2SC1627A/Y/-T
R9974 OPEN
NRSA63J-103X
R9971 10k
Q9971
2SC2412K/QR/-X
CN9001
QGB1506M1-16
1 BT32V
2 GND
3 GND
4 GND
5 GND
6 36V
7 36V
8 A.GND
9 A.GND
10 24V
11 24V
12 28.5V
13 28.5V
14 POWER
15 STB GND
16 STB5V
MAIN PWB
CN001
(SHEET4)
R9901
5.6 7W
QRF074K-5R6
C9904 .0047
C9904~C9906
QCZ9054-472
C9905 .0047
CP9901
QMFZ043-2R0Z-J1
CP
QCB32HK-103
C9907
120/400
QEZ0199-127
D9901
G2SBA60
C9906 .0047
R9907
27k
2WOMR
QRL029J-273
R9902
330k
1/2W
QRE121J-334Y
R9903
330k
1/2W
QRE121J-334Y
D9903
MA3068/M/-X
R9904
47k
NRSA63J-473X
QRL029J-823
C9908
.01
500V
R9905 82k 2WOMR
R9906 82k 2WOMR
D9902
RG1C-LFA1
C9909
390p
2kV
QCZ0122-391
GND0
GND0
T9901
QQS0198-001
Y9951 BW
C9951 OPEN
K9951 OPEN
D9951
EU2-T3
L9951
22
QQL26AK-220Z
C9952
220/50
QETN1HM-227Z
QRL039J-561
R9951
560
3WOMR
Y9952 BW
C9953 OPEN
HS9951
CEHT11B-002QS
K9952 OPEN
D9952
FMX-G12S
L9952 22
QQLZ018-220
C9954
2200/25
QEZ0257-228
21V
C9955
1/50
QETN1HM-105
D9953
MTZJ33B-T2
CN9002
QGB1506M1-16
1 GND
2 12V
3 GND
4 5V
5 GND
6 GND
7 14V
8 14V
9 GND
10 GND
11 GND
12 GND
13 21V
14 21V
15 21V
16 21V
MAIN PWB
CN002
(SHEET4)
IC9901
STR-G6653
DRIVE
OSC
OVP
TSD
GND
Vcc
OCP/FB
HS9901
LC30710-001A
Y9909 BW
K9902 OPEN
D9909 OPEN
K9901
QQR0679-001
QCZ0122-561
C9912
560p
2kV
C9910
1500p
QCB32HK-152Z
C9917 OPEN
C9911
100/50
QETN1HN-107Z
D9904
AU01Z-T2
D9906
MA3270/H/-X
QRZ9017-4R7
R9908 4.7
D9905
AU01Z-T2
R9909
1.8K 1/2W
QRE121J-182X
D9911 OPEN
R9912
680
1/2W
R9913 OPEN
R9914
0.47
2WOMR
QRT029J-R47
D9907
MA111-X
C9913
1200P
NDC21HJ-122X
R9910 OPEN
C9916 OPEN
C9915
470p
NDC21HJ-471X
D9908
MA3150/M/-X
C9914 OPEN
PC9901
PC123FY2
D9910
0
R9911
3.3k 1/2W
QRE121J-332Y
QRE121J-562Y
R9952
5.6k 1/2W
R9953
1k
NRSA63J-102X
C9956
0.033
NCB31EK-333X
R9954 150k
R9955 150k
R9954, R9955
NRSA63J-154X
R9958 75k
NRSA63J-753X
C9957 OPEN
D9954
NJM431L-T
R9956 10k
R9957 OPEN
NRSA63J-103X
C9999 0.0022
QCZ9079-222
R9999 8.2M
QRZ9046-825Z
RECEIVER POWER PWB ASS'Y
SMK-9301A-U2

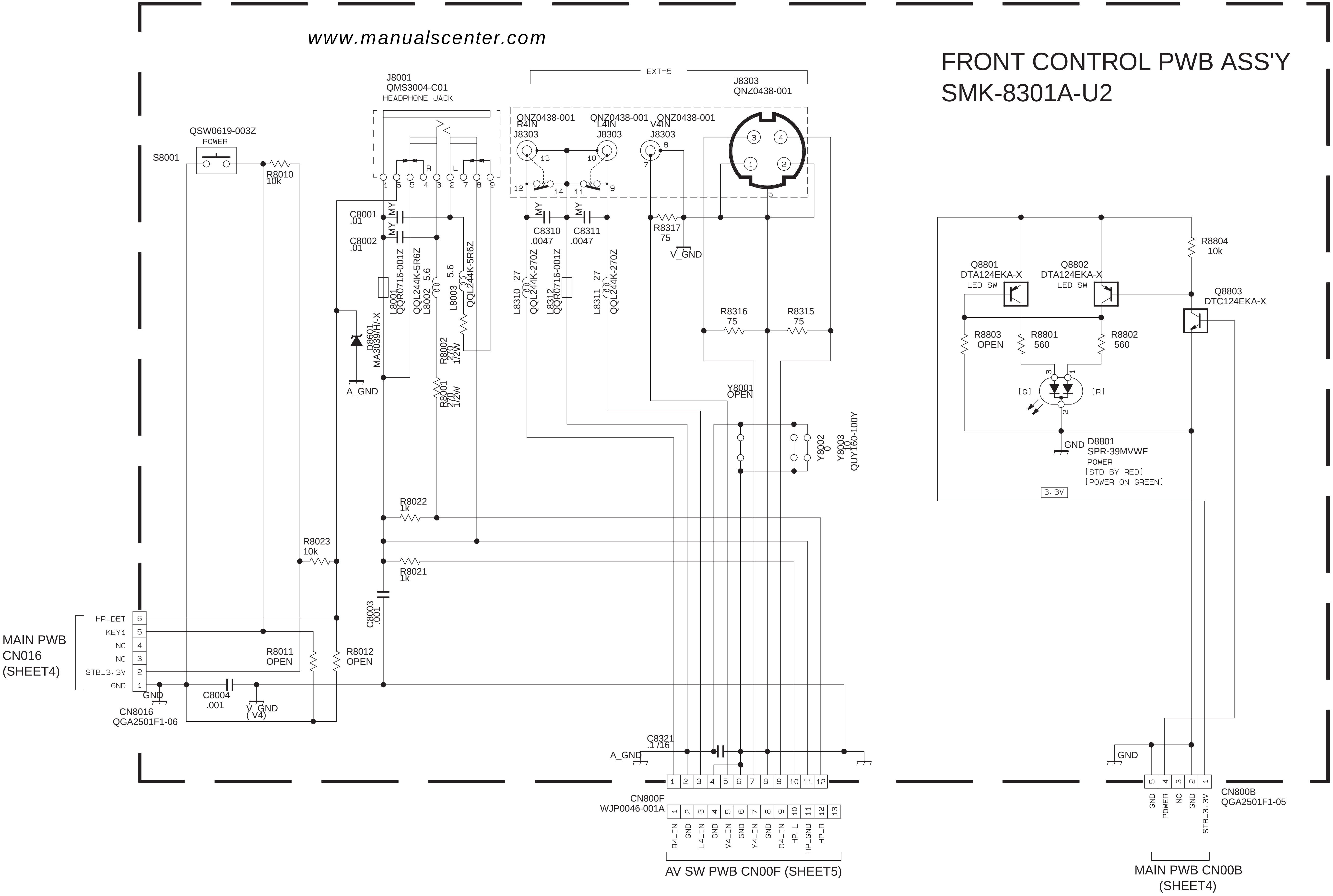
MI-COM INTERFACE PWB CIRCUIT DIAGRAM SHEET19


MI-COM PWB CN004 (SHEET20)
GND
MSP_RESET
H/P_DET
PROTECT
REMOCON
POWERG
KEY3
PIX_CLK
NOR/INST
POWER
KEY1
GND
GND
STB_5V
STB_5V
GND
IIC_FREE
SCL0
SDA0
SCL1
SDA1
YS2
SDA2
M.ENA/AUDIO_MUTTING
GND
AMP_MUTTING
V_PULSE
H_PULSE
YS
D_READY
KEYP2
D_DATA
B
D_STATUS
G
D_CLOCK
R
AFC2
AA_FREQ
TV_LINK/COMPULINK
IE_MUTE
NC
AFC1
C.V
GND
AA_SCL
AGC/KEYP1
AA_SDA
GND
12V
CN014
QGB1232J1-50
MI-COM
INTERFACE PWB ASS'Y
SMK0M311A-U2
CN00L
QGA2001C1-14
14 GND
13 V_PULSE
12 H_PULSE
11 GND
10 D_CLOCK
9 GND
8 REMOCON
7 P.DET
6 KEYP2
5 KEYP1
4 YS
3 B
2 G
1 R
DIST PWB
CN00L
(SHEET17)
CN0L1
QGA2001C1-06
6 GND
5 MECA
4 SDA
3 SCL
2 DVI RST
1 DVI HP (HOT PLUG)
DIST PWB
CN0L1
(SHEET17)
R101
10k
IC101
TC74HC4066AP
VCC
1C
4C
4I/O
4O/I
3O/I
3I/O
1I/O
1O/I
2O/I
2I/O
2C
3C
GND
C101
.01
R103
47k
R102
10k
Q101
2SC1815/YG/-T
C102
.01
R106
10k
R107
10k
R108
10k
R104
470
R105
470
CN004
QGB1232K-50
GND
MSP_RESET
H/P_DET
PROTECT
NC
POWERG
NC
NC
NC
POWER
KEY1
GND
GND
STB_5V
STB_5V
GND
IIC_FREE
SCL0
SDA0
SCL1
SDA1
YS2
SDA2
M.ENA/AUDIO_MUTTING
GND
AMP_MUTTING
NC
NC
NC
NC
NC
NC
NC
NC
NC
NC
NC
AFC2
AA_FREQ
TV_LINK/COMPULINK
NC
NC
AFC1
C.V
GND
AA_SCL
AGC
AA_SDA
GND
12V
MAIN PWB CN004 (SHEET4)

MI-COM PWB CIRCUIT DIAGRAM SHEET 20

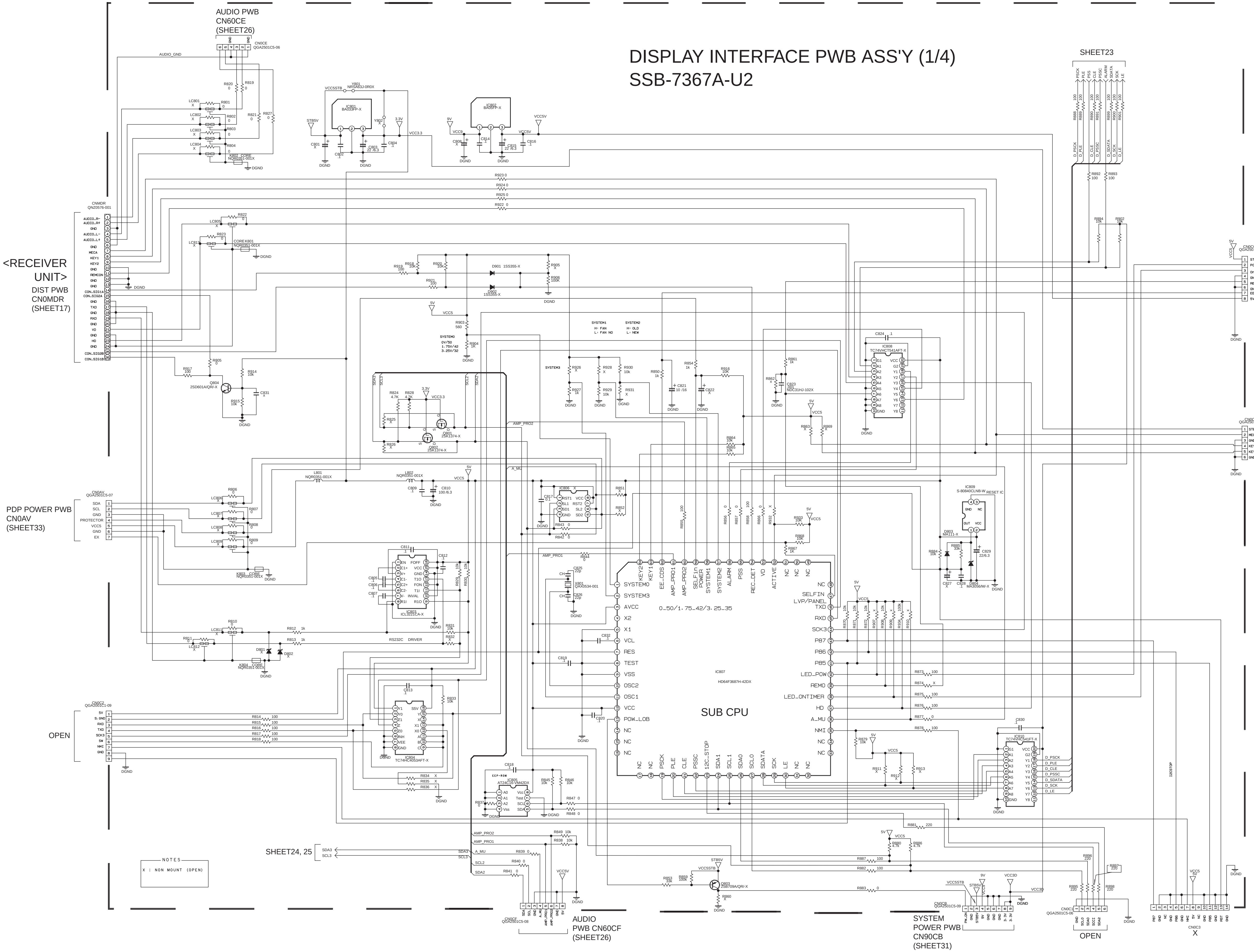

DIST PWB
CN0J1
(SHEET17)
MI-COM PWB ASS'Y
SMK0M301A-U2
IC001
SDA6000-B12
MICRO_COMPUTER
IC004
MBV160T90PTB02
IC003
K4S641632F-TC75
64MB_SD-RAM
CN804
OPEN
IC901 TA48M025F-X
IC902 TA48M033F-X
IC002
S-80828CNNB-W
RESET IC
X001
QAX0669-001Z
CN004
QGB1232K1-50T
MI-COM INTERFACE PWB CN014 (SHEET19)

FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 21


FRONT CONTROL PWB ASS'Y
SMK-8301A-U2
S8001
QSW0619-003Z
POWER
R8010
10k
J8001
QMS3004-C01
HEADPHONE JACK
R
L
EXT-5
J8303
QNZ0438-001
QNZ0438-001
R4IN
J8303
QNZ0438-001
L4IN
J8303
QNZ0438-001
V4IN
J8303
C8001
.01
C8002
.01
MY
L8001
QQR0716-001Z
L8002 5.6
QQL244K-5R6Z
L8003 5.6
QQL244K-5R6Z
D8601
MA3039H-X
A_GND
R8002
270
1/2W
R8001
270
1/2W
C8310
.0047
C8311
.0047
L8310 27
QQL244K-270Z
L8312
QQR0716-001Z
L8311 27
QQL244K-270Z
R8317
75
V_GND
R8316
75
R8315
75
Y8001
OPEN
Y8002
0
Y8003
0
QUY160-100Y
R8022
1k
R8023
10k
R8021
1k
C8003
.001
R8011
OPEN
R8012
OPEN
MAIN PWB
CN016
(SHEET4)
HP_DET 6
KEY1 5
NC 4
NC 3
STB_3.3V 2
GND 1
GND
C8004
.001
V_GND
(V4)
CN8016
QGA2501F1-06
C8321
.1/16
A_GND
CN800F
WJP0046-001A
R4_IN
GND
L4_IN
GND
V4_IN
GND
Y4_IN
GND
C4_IN
HP_L
HP_GND
HP_R
AV SW PWB CN00F (SHEET5)
Q8801
DTA124EKA-X
LED SW
Q8802
DTA124EKA-X
LED SW
R8804
10k
Q8803
DTC124EKA-X
R8803
OPEN
R8801
560
R8802
560
[G]
[R]
GND
D8801
SPR-39MVWF
POWER
[STD BY RED]
[POWER ON GREEN]
3.3V
GND
CN800B
QGA2501F1-05
GND
POWER
NC
GND
STB_3.3V
MAIN PWB CN00B
(SHEET4)

CIRCUIT DIAGRAMS [DISPLAY UNIT]

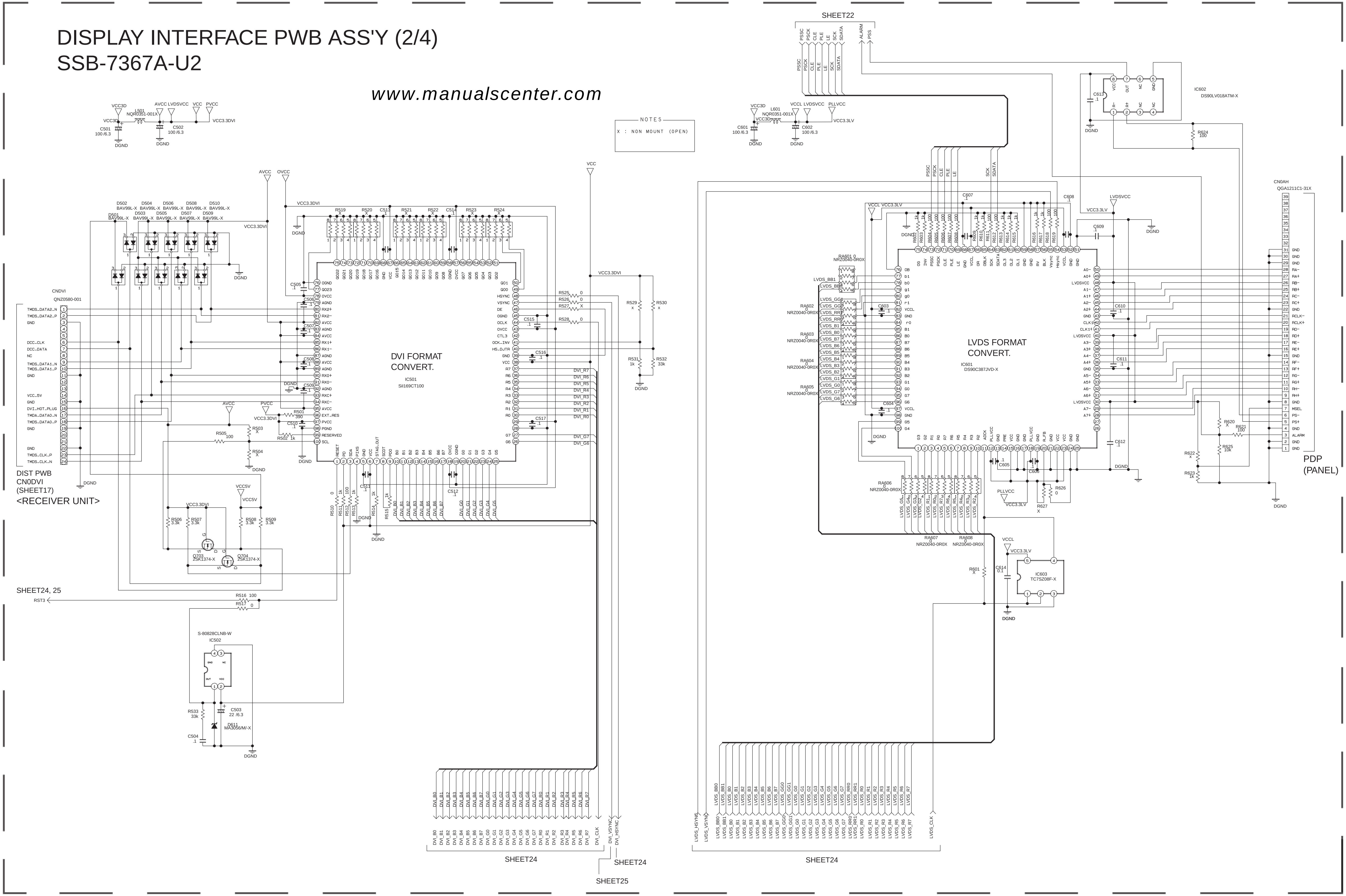
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (1/4) SHEET 22


DISPLAY INTERFACE PWB ASS'Y (1/4)
SSB-7367A-U2
AUDIO PWB
CN60CE
(SHEET26)
SHEET23
<RECEIVER UNIT>
DIST PWB
CN0MDR
(SHEET17)
DISPLAY LED PWB
CN10CC
(SHEET28)
DISPLAY SW PWB
CN20CD
(SHEET29)
PDP POWER PWB
CN0AV
(SHEET33)
OPEN
SUB CPU
IC807
HD64F3687H-42DX
IC808
TC74VHCT541AFT-X
IC810
TC74VHCT541FT-X
IC804
TC74HC4053AFT-X
IC803
ICL3221CA-X
IC805
AT24C16-VM42DX
IC809
S-80840CLNB-W
RESET IC
IC801
IC802
SHEET24, 25
SDA3
SCL3
AUDIO
PWB CN60CF
(SHEET26)
SYSTEM
POWER PWB
CN90CB
(SHEET31)
OPEN
CN0C3
X
NOTES
X : NON MOUNT (OPEN)
RS232C DRIVER
0_50/1_75_42/3_25_35
SYSTEM0
SYSTEM3
AVCC
X2
X1
VCL
RES
TEST
VSS
OSC2
OSC1
VCC
POW_LOB
NC
SELFIN
LVP/PANEL
TXD
RXD
SCK3
PB7
PB6
PB5
LED_POW
REMO
LED_ONTIMER
HD
A_MU
NMI
KEY2
KEY1
EE_CDS
AMP_PRO1
AMP_PRO2
SELFIN
POWER1
SYSTEM1
SYSTEM2
ALARM
PSS
REC_DET
VD
ACTIVE
PSCK
PLE
CLE
PSSC
I2C_STOP
SDA1
SCL1
SDA0
SCL0
SDATA
SCK
LE
D_PSCK
D_PLE
D_CLE
D_PSSC
D_SDATA
D_SCK
D_LE
DGND
VCC5
VCC3.3
VCC5STB
STB5V
AUDIO_GND

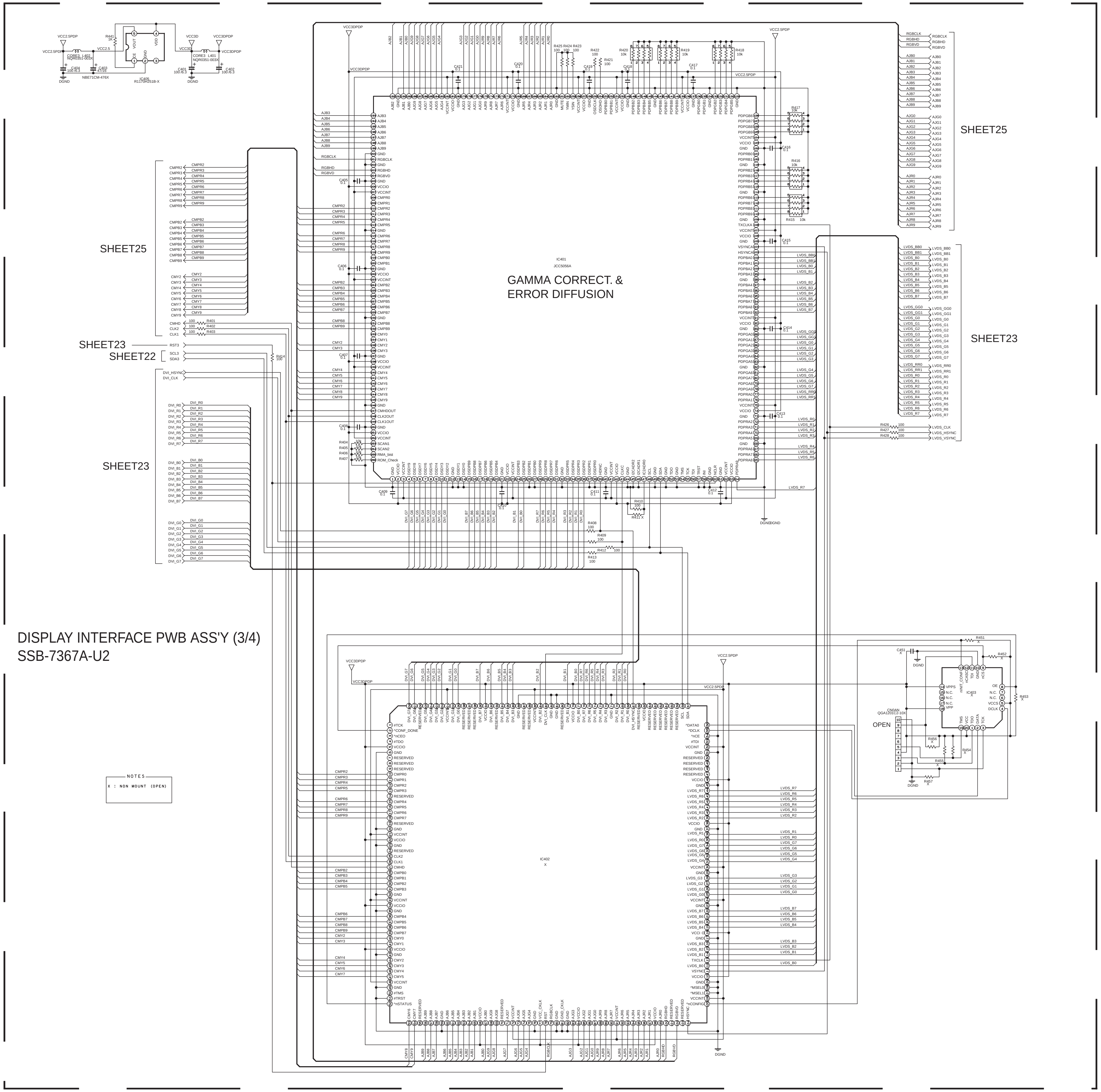
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (2/4) SHEET 23

DISPLAY INTERFACE PWB ASS'Y (2/4)
SSB-7367A-U2

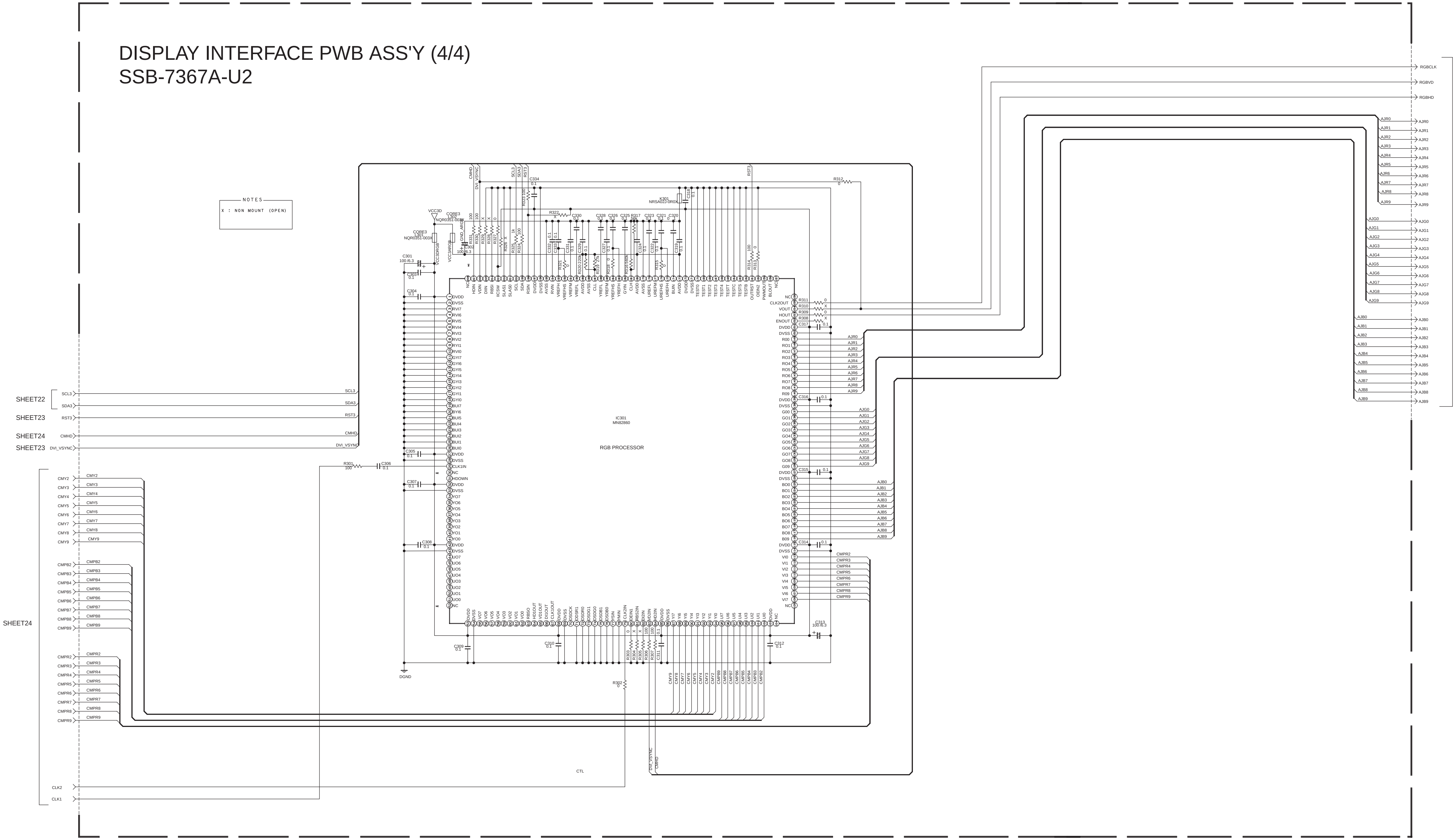
NOTES
X : NON MOUNT (OPEN)


SHEET22
PSSC
PSCK
CLE
PLE
LE
SCK
SDATA
ALARM
PSS
IC602
DS90LV018ATM-X
CNDVI
QNZ0580-001
DVI FORMAT CONVERT.
IC501
SiI169CT100
LVDS FORMAT CONVERT.
IC601
DS90C387JVD-X
CN0AH
QGA1211C1-31X
PDP
(PANEL)
DIST PWB
CN0DVI
(SHEET17)
<RECEIVER UNIT>
SHEET24, 25
RST3
S-80828CLNB-W
IC502
IC603
TC7SZ08F-X
Q703
2SK1374-X
Q704
2SK1374-X
D611
MA3056/M/-X
SHEET24
SHEET24
SHEET25
SHEET24

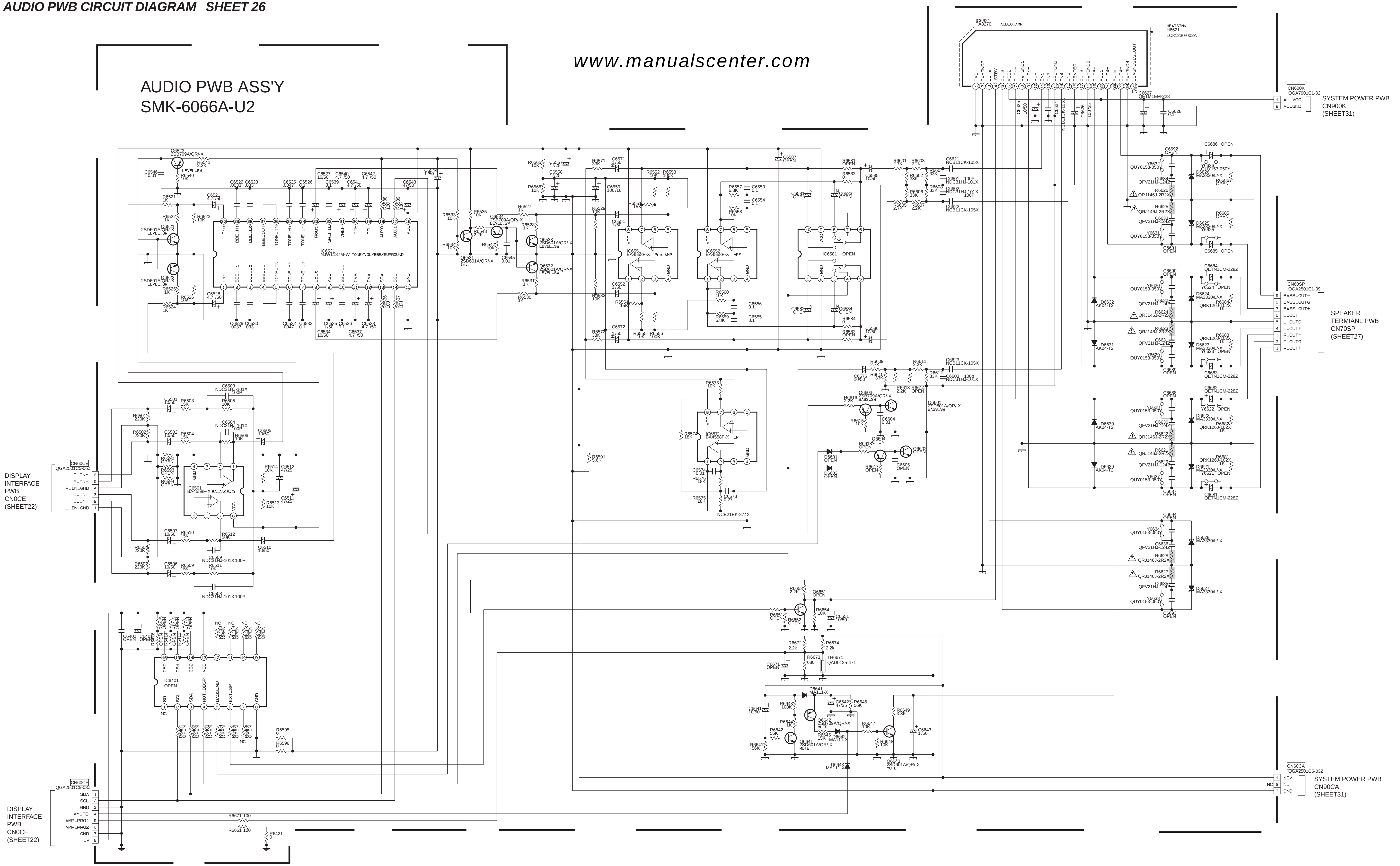
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (3/4) SHEET 24


SHEET25
SHEET23
SHEET22
SHEET25
SHEET23
SHEET25
SHEET23
IC401
JCC5056A
GAMMA CORRECT. &
ERROR DIFFUSION
DISPLAY INTERFACE PWB ASS'Y (3/4)
SSB-7367A-U2
NOTES
X : NON MOUNT (OPEN)
IC402
X
OPEN

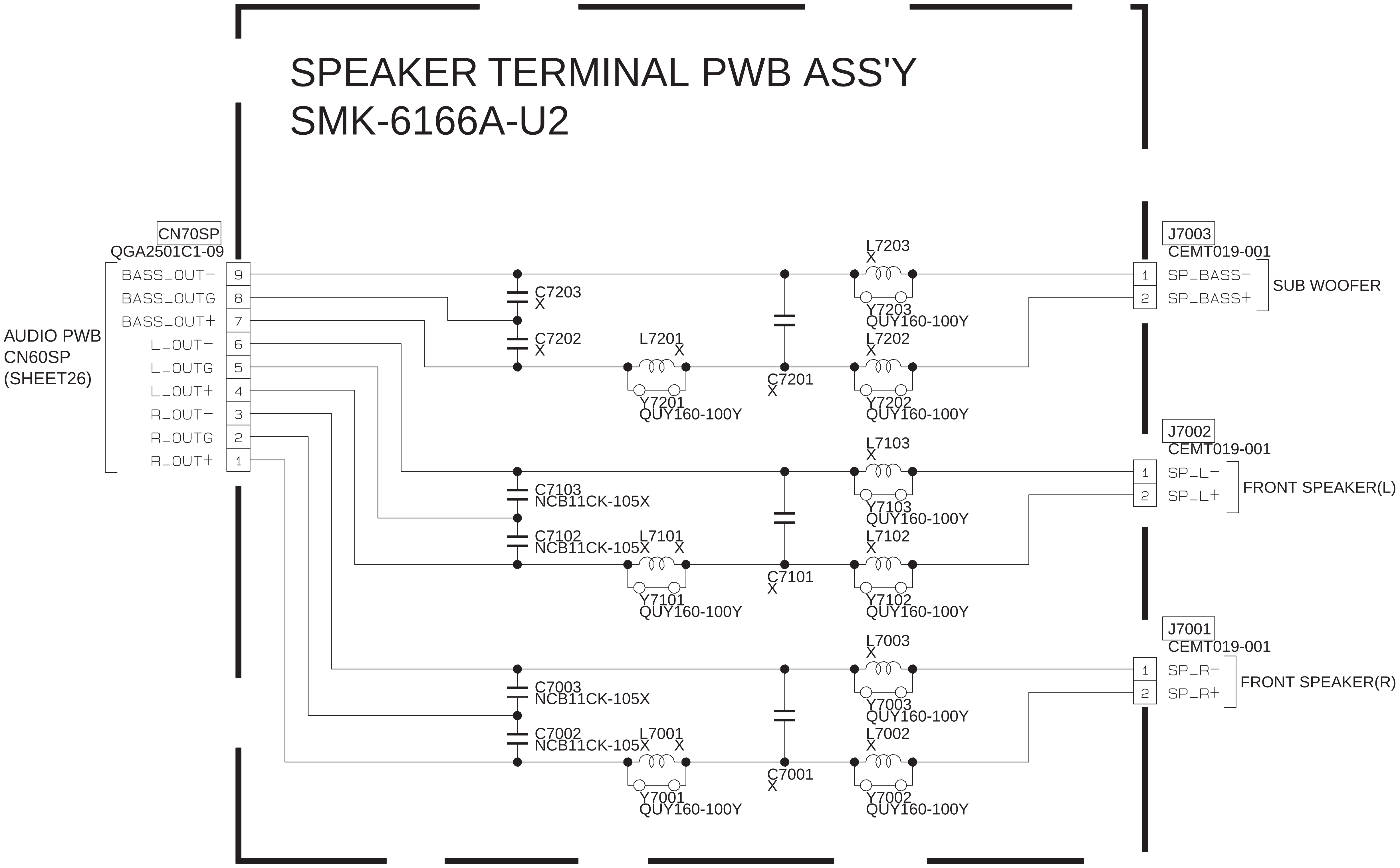
DISPLAY INTERFACE PWB CIRCUIT DIAGRAM (4/4) SHEET 25


DISPLAY INTERFACE PWB ASS'Y (4/4)
SSB-7367A-U2
NOTES
X : NON MOUNT (OPEN)
IC301
MN82860
RGB PROCESSOR
VCC3D
CORE3 L301 NQR0351-003X
CORE3 L302 NQR0351-003X
VCC3DRGB
VCC3ARGB
GND_ARGB
C301 100 /6.3
C302 100 /6.3
C303 0.1
C304 0.1
C334 0.1
R323 100
R322 X
K301 NRSA02J-0R0X
C318 0.1
R312
R311 0
R310 X
R309 0
R308 X
R301 100
C306 0.1
R300 0
C313 100 /6.3
CMHD
DVI_VSYNC
SCL3
SDA3
RST3
SHEET22
SHEET23
SHEET24
RGBCLK
RGBVD
RGBHD
AJR0
AJR1
AJR2
AJR3
AJR4
AJR5
AJR6
AJR7
AJR8
AJR9
AJG0
AJG1
AJG2
AJG3
AJG4
AJG5
AJG6
AJG7
AJG8
AJG9
AJB0
AJB1
AJB2
AJB3
AJB4
AJB5
AJB6
AJB7
AJB8
AJB9
CMY2
CMY3
CMY4
CMY5
CMY6
CMY7
CMY8
CMY9
CMPB2
CMPB3
CMPB4
CMPB5
CMPB6
CMPB7
CMPB8
CMPB9
CMPR2
CMPR3
CMPR4
CMPR5
CMPR6
CMPR7
CMPR8
CMPR9
CLK2
CLK1
CTL
DGND

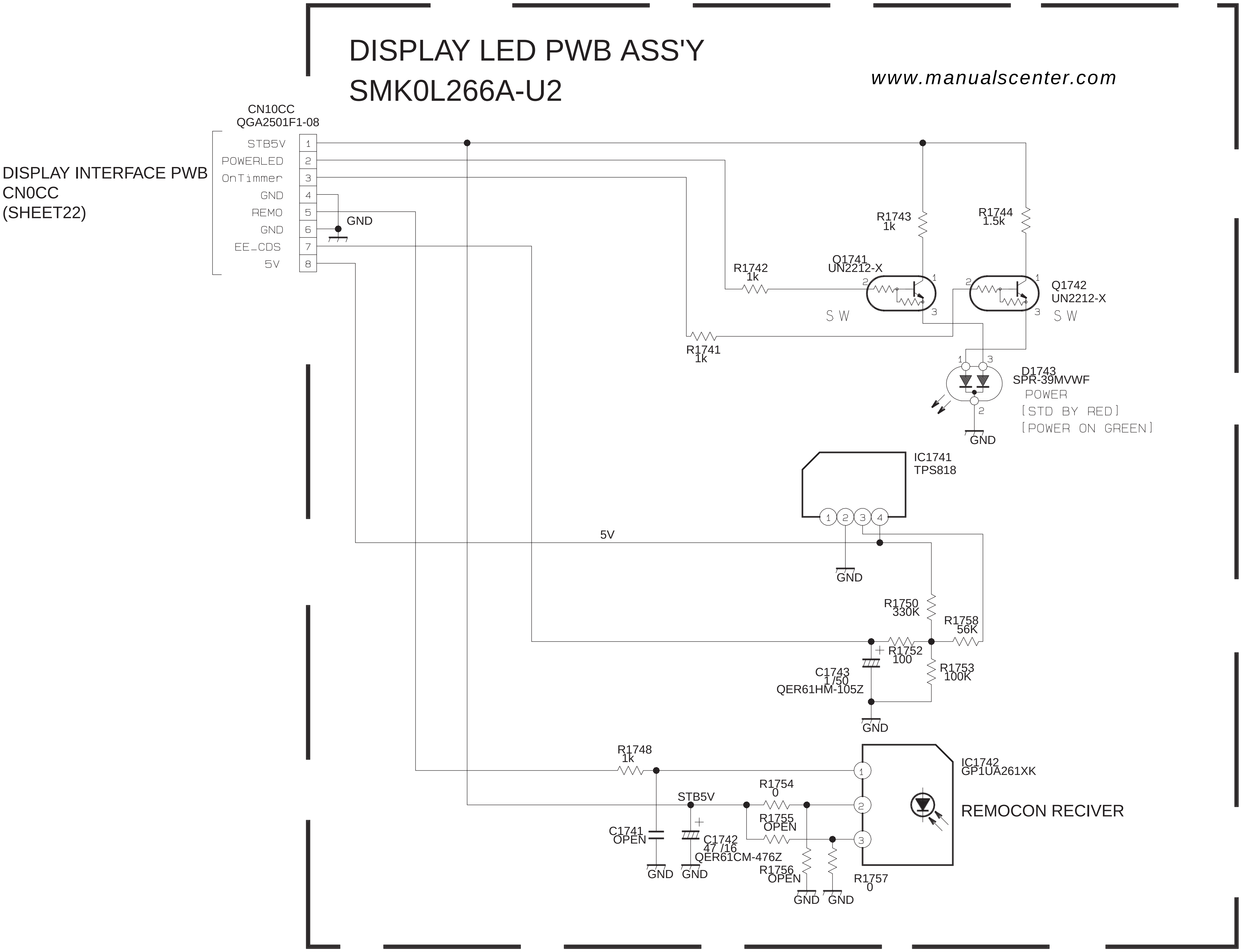
AUDIO PWB CIRCUIT DIAGRAM SHEET 26


AUDIO PWB ASS'Y
SMK-6066A-U2
IC6621 TA8270H AUDIO_AMP
HEATSINK H6621 LC31230-002A
CN600K QGA7901C1-02
AU_VCC
AU_GND
SYSTEM POWER PWB CN900K (SHEET31)
CN60SP QGA2501C1-09
BASS_OUT−
BASS_OUTG
BASS_OUT+
L_OUT−
L_OUTG
L_OUT+
R_OUT−
R_OUTG
R_OUT+
SPEAKER TERMIANL PWB CN70SP (SHEET27)
IC6521 NJW1137M-W TONE/VOL/BBE/SURROUND
IC6551 BA4558F-X Pre.AMP
IC6552 BA4558F-X HPF
IC6581 OPEN
IC6571 BA4558F-X LPF
IC6501 BA4558F-X BALANCE_In
IC6401 OPEN
CN60CE QGA2501C5-06Z
R_IN+
R_IN−
R_IN_GND
L_IN+
L_IN−
L_IN_GND
DISPLAY INTERFACE PWB CN0CE (SHEET22)
CN60CF QGA2501C5-08Z
SDA
SCL
GND
AMUTE
AMP_PRO1
AMP_PRO2
GND
5V
DISPLAY INTERFACE PWB CN0CF (SHEET22)
CN60CA QGA2501C5-03Z
12V
NC
GND
SYSTEM POWER PWB CN90CA (SHEET31)
TH6671 QAD0125-471

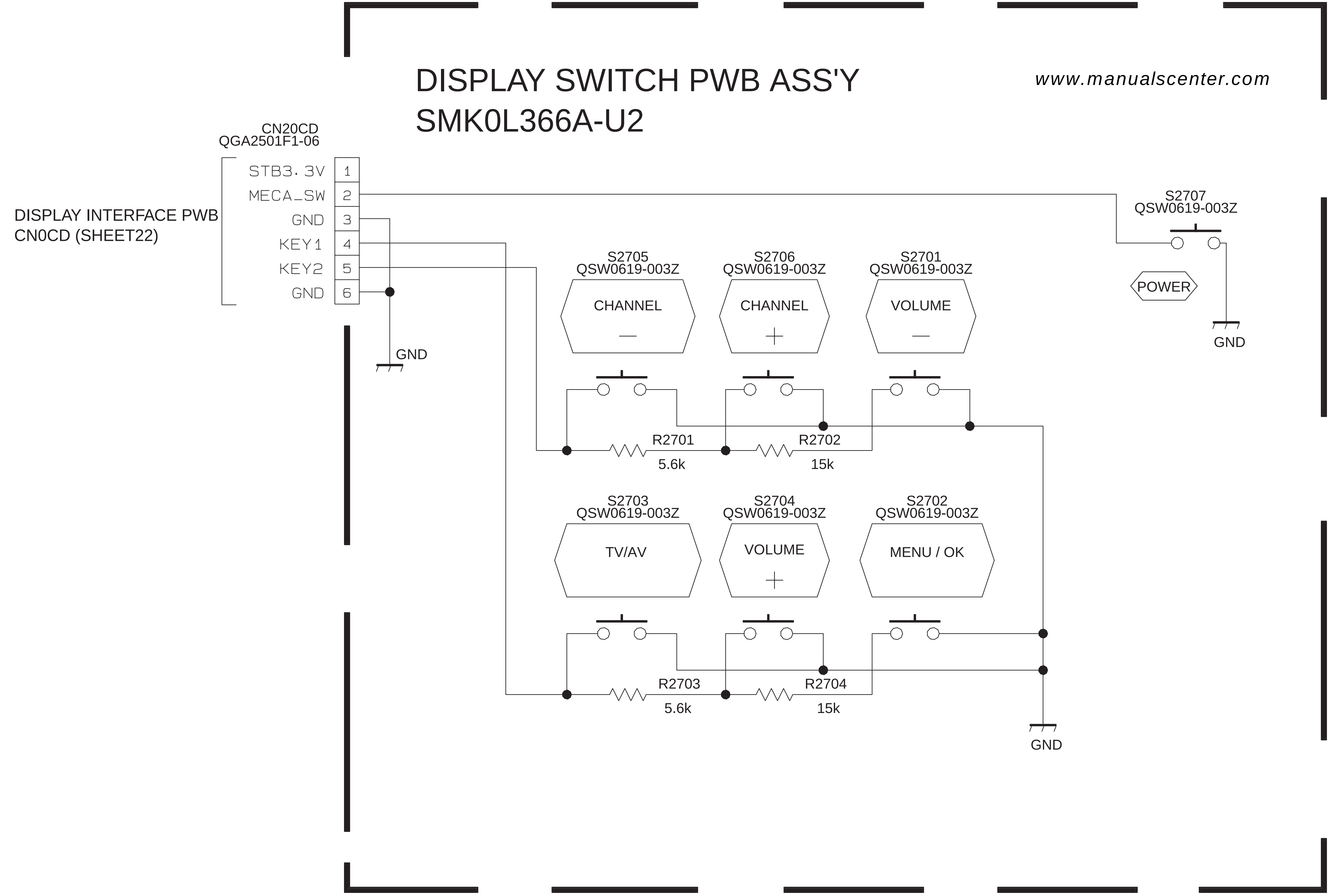
SPEAKER TERMINAL PWB CIRCUIT DIAGRAM SHEET 27


SPEAKER TERMINAL PWB ASS'Y
SMK-6166A-U2
CN70SP
QGA2501C1-09
AUDIO PWB
CN60SP
(SHEET26)
BASS_OUT−
BASS_OUTG
BASS_OUT+
L_OUT−
L_OUTG
L_OUT+
R_OUT−
R_OUTG
R_OUT+
9
8
7
6
5
4
3
2
1
C7203
X
C7202
X
L7201
X
Y7201
QUY160-100Y
C7201
X
L7203
X
Y7203
QUY160-100Y
L7202
X
Y7202
QUY160-100Y
C7103
NCB11CK-105X
C7102
NCB11CK-105X
L7101
X
Y7101
QUY160-100Y
C7101
X
L7103
X
Y7103
QUY160-100Y
L7102
X
Y7102
QUY160-100Y
C7003
NCB11CK-105X
C7002
NCB11CK-105X
L7001
X
Y7001
QUY160-100Y
C7001
X
L7003
X
Y7003
QUY160-100Y
L7002
X
Y7002
QUY160-100Y
J7003
CEMT019-001
1 SP_BASS−
2 SP_BASS+
SUB WOOFER
J7002
CEMT019-001
1 SP_L−
2 SP_L+
FRONT SPEAKER(L)
J7001
CEMT019-001
1 SP_R−
2 SP_R+
FRONT SPEAKER(R)

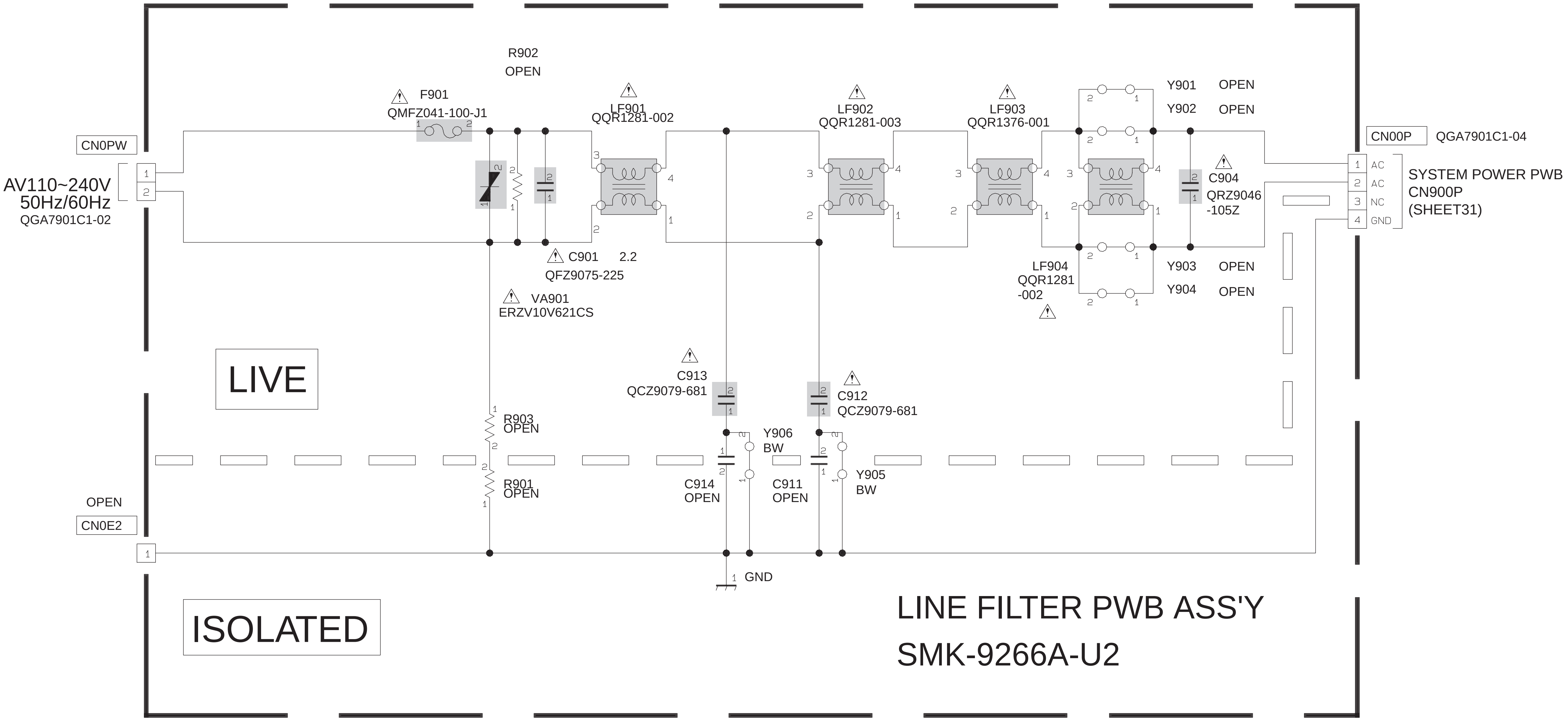
DISPLAY LED PWB CIRCUIT DIAGRAM SHEET 28


DISPLAY LED PWB ASS'Y
SMK0L266A-U2
CN10CC
QGA2501F1-08
DISPLAY INTERFACE PWB
CN0CC
(SHEET22)
STB5V 1
POWERLED 2
OnTimmer 3
GND 4
REMO 5
GND 6
EE_CDS 7
5V 8
GND
R1743
1k
R1744
1.5k
Q1741
UN2212-X
R1742
1k
Q1742
UN2212-X
SW
SW
R1741
1k
D1743
SPR-39MVWF
POWER
[STD BY RED]
[POWER ON GREEN]
GND
IC1741
TPS818
5V
GND
R1750
330K
R1758
56K
R1752
100
C1743
1/50
QER61HM-105Z
R1753
100K
GND
R1748
1k
IC1742
GP1UA261XK
R1754
0
STB5V
REMOCON RECIVER
R1755
OPEN
C1741
OPEN
C1742
47 /16
QER61CM-476Z
R1756
OPEN
R1757
0
GND
GND
GND
GND

DISPLAY SWITCH PWB CIRCUIT DIAGRAM SHEET 29

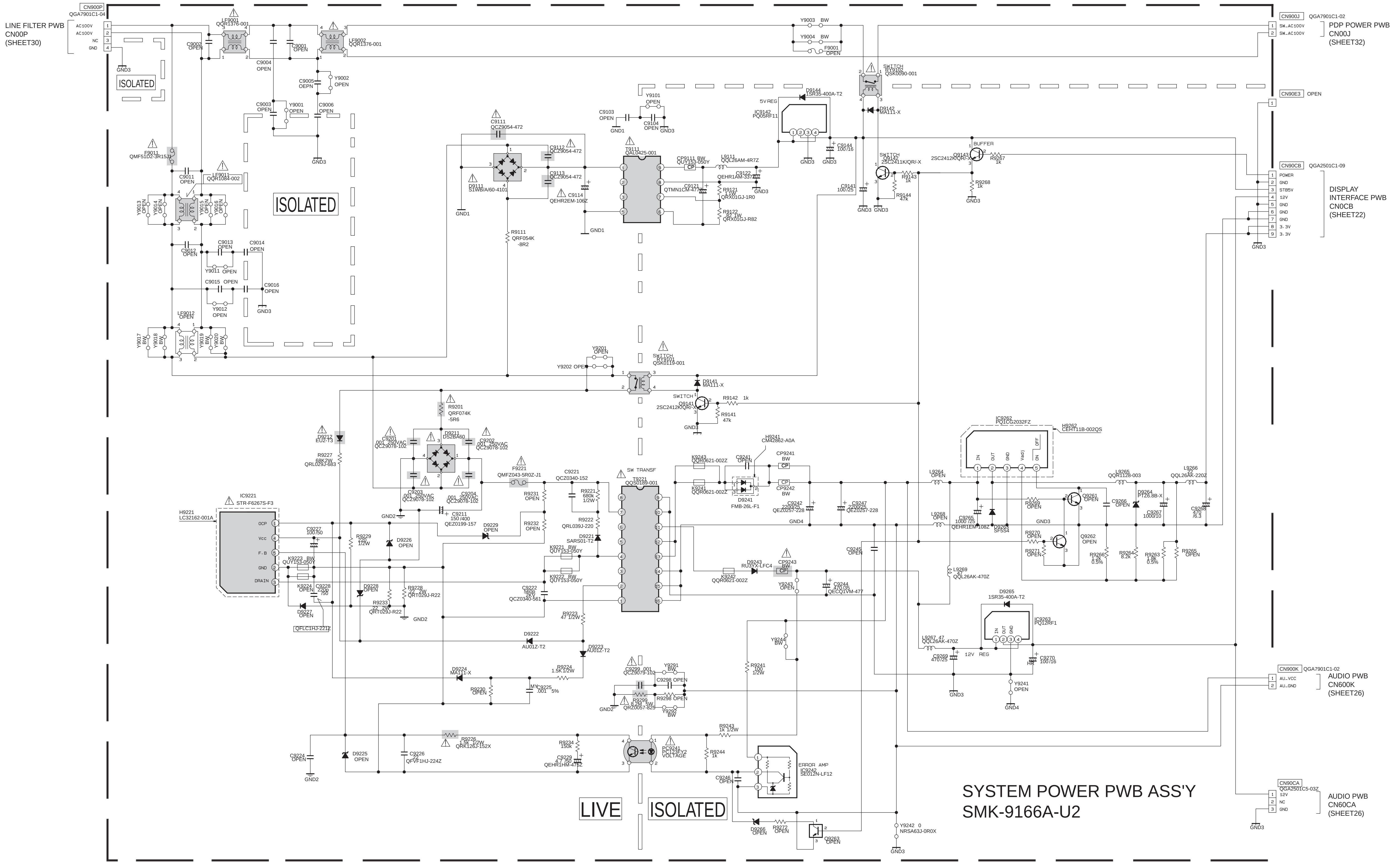

DISPLAY SWITCH PWB ASS'Y
SMK0L366A-U2
www.manualscenter.com
CN20CD
QGA2501F1-06
DISPLAY INTERFACE PWB
CN0CD (SHEET22)
STB3.3V 1
MECA_SW 2
GND 3
KEY1 4
KEY2 5
GND 6
GND
S2707
QSW0619-003Z
POWER
GND
S2705
QSW0619-003Z
CHANNEL
—
S2706
QSW0619-003Z
CHANNEL
+
S2701
QSW0619-003Z
VOLUME
—
R2701
5.6k
R2702
15k
S2703
QSW0619-003Z
TV/AV
S2704
QSW0619-003Z
VOLUME
+
S2702
QSW0619-003Z
MENU / OK
R2703
5.6k
R2704
15k
GND

LINE FILTER PWB CIRCUIT DIAGRAM SHEET 30



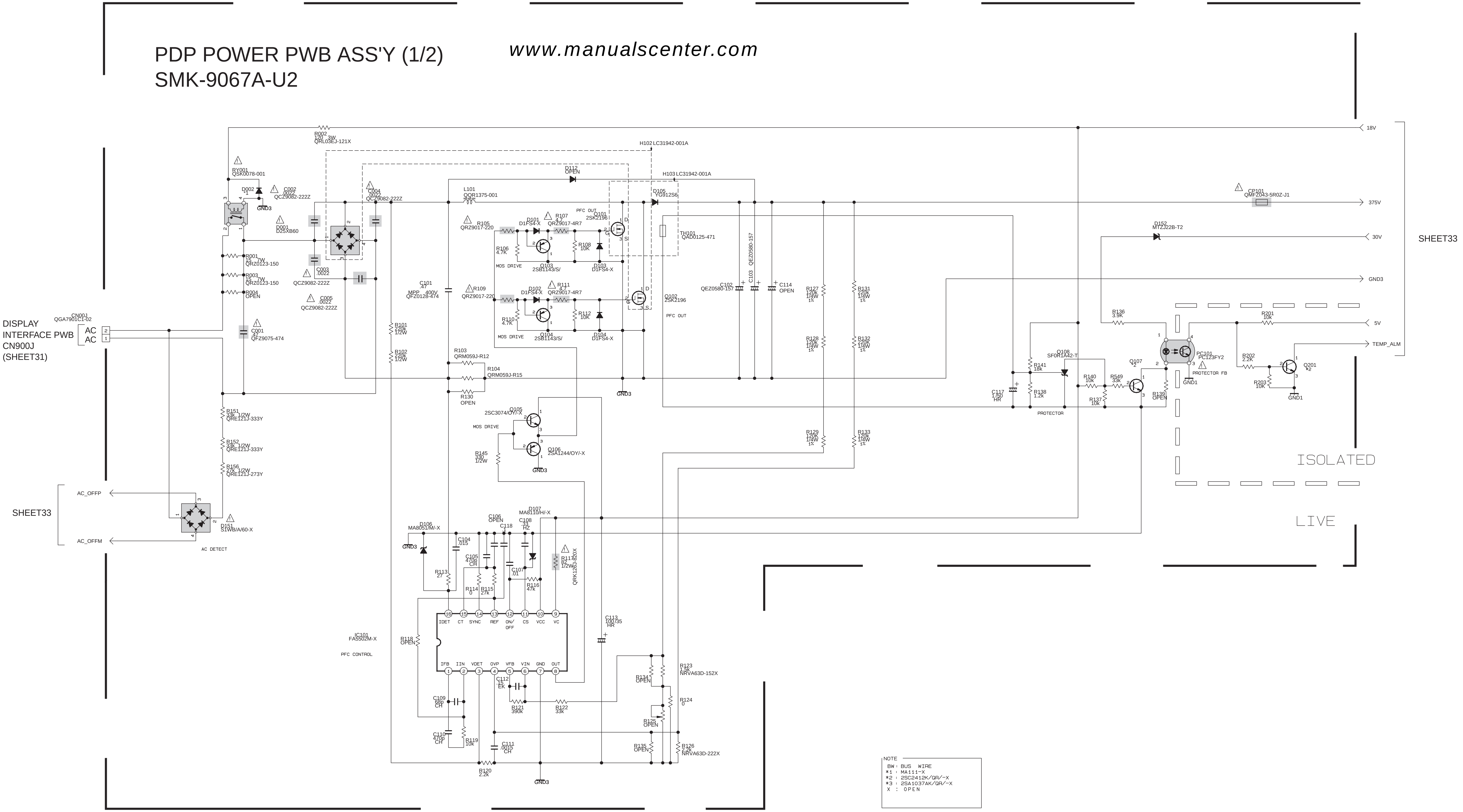
CN0PW
AV110~240V
50Hz/60Hz
QGA7901C1-02
F901
QMFZ041-100-J1
R902
OPEN
LF901
QQR1281-002
LF902
QQR1281-003
LF903
QQR1376-001
Y901 OPEN
Y902 OPEN
CN00P QGA7901C1-04
AC
AC
NC
GND
SYSTEM POWER PWB
CN900P
(SHEET31)
C904
QRZ9046
-105Z
C901 2.2
QFZ9075-225
VA901
ERZV10V621CS
LF904
QQR1281
-002
Y903 OPEN
Y904 OPEN
LIVE
C913
QCZ9079-681
C912
QCZ9079-681
R903
OPEN
Y906
BW
R901
OPEN
C914
OPEN
C911
OPEN
Y905
BW
OPEN
CN0E2
GND
ISOLATED
LINE FILTER PWB ASS'Y
SMK-9266A-U2

SYSTEM POWER PWB CIRCUIT DIAGRAM SHEET 31

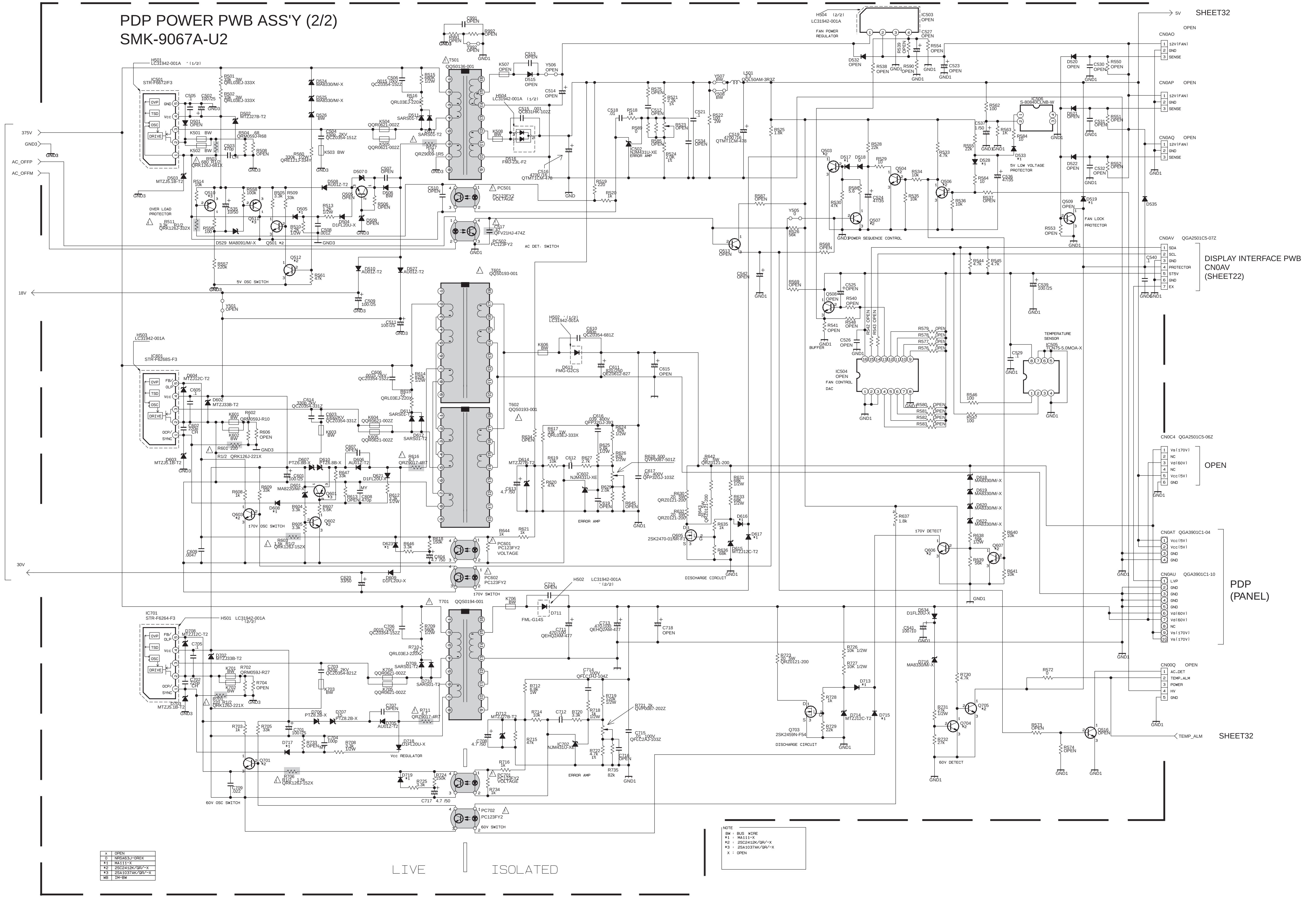

CN900P
QGA7901C1-04
LINE FILTER PWB
CN00P
(SHEET30)
AC100V
AC100V
NC
GND
GND3
ISOLATED
LF9001
QQR1376-001
LF9002
QQR1376-001
C9002 OPEN
C9001 OPEN
C9004 OPEN
C9005 OEPN
Y9002 OPEN
C9003 OPEN
Y9001 OPEN
C9006 OPEN
GND3
F9011
QMF51D2-3R15J1
C9011 OPEN
LF9011
QQR1084-002
Y9013 OPEN
Y9014 OPEN
Y9015 OPEN
Y9016 OPEN
ISOLATED
C9012 OPEN
C9013 OPEN
C9014 OPEN
Y9011 OPEN
C9015 OPEN
C9016 OPEN
Y9012 OPEN
GND3
LF9012 OPEN
Y9017 BW
Y9018 BW
Y9019 BW
Y9020 BW
C9111
QCZ9054-472
D9111
S1WB/A/60-4101
C9112
QCZ9054-472
C9113
QCZ9054-472
C9114
QEHR2EM-106Z
GND1
R9111
QRF054K
-8R2
C9103 OPEN
GND1
Y9101 OPEN
C9104 OPEN
GND3
T9111
QAL0425-001
CP9111 BW
QUY153-050Y
L9111
QQL26AM-4R7Z
C9122
QEHR1AM-337Z
GND3
C9121
QTMN1CM-477Z
R9121
1.1W
QRX01GJ-1R0
R9122
82 1W
QRX01GJ-R82
GND1
D9144
1SR35-400A-T2
5V REG
IC9142
PQ05RF11
GND3
C9144
100/16
GND3
Y9003 BW
Y9004 BW
F9001 OPEN
SWITCH
RY9102
QSK0090-001
D9142
MA111-X
SWITCH
Q9142
2SC2411K/QR/-X
R9143 1k
R9144 47k
C9141 1000/25
GND3 GND3
BUFFER
Q9143
2SC2412K/QR/-X
R9267 1k
R9268 1k
GND3
CN900J
QGA7901C1-02
SW_AC100V
SW_AC100V
PDP POWER PWB
CN00J
(SHEET32)
CN90E3 OPEN
CN90CB
QGA2501C1-09
POWER
GND
STB5V
12V
GND
GND
GND
3.3V
3.3V
DISPLAY
INTERFACE PWB
CN0CB
(SHEET22)
GND3
Y9201 OPEN
Y9202 OPEN
SWITCH
RY9101
QSK0119-001
D9141
MA111-X
SWITCH
Q9141
2SC2412K/QR/-X
R9142 1k
R9141 47k
GND3
R9201
QRF074K
-5R6
D9212
EU2-T3
R9227
68K2W
QRL029J-683
C9201
.001 250VAC
QCZ9078-102
D9211
D5SBA60
C9202
.001 250VAC
QCZ9078-102
C9203
.001 250VAC
QCZ9078-102
C9204
.001 250VAC
QCZ9078-102
GND2
C9211
150/400
QEZ0199-157
F9221
QMFZ043-5R0Z-J1
C9221
QCZ0340-152
R9231 OPEN
R9221
680k
1/2W
R9232 OPEN
D9229 OPEN
R9222
QRL039J-220
D9221
SARS01-T2
SW TRANSF
T9221
QQS0189-001
K9221 BW
QUY153-050Y
K9222 BW
QUY153-050Y
C9222
560p
2KV
QCZ0340-561
R9223
47 1/2W
IC9221
STR-F6267S-F3
H9221
LC32162-001A
OCP
Vcc
F-B
GND
DRAIN
C9227
100/50
R9229
120
1/2W
D9226 OPEN
K9223 BW
QUY153-050Y
K9224 OPEN
C9228
2200
/50
D9228 OPEN
R9228
22 2W
QRT029J-R22
R9233
.22 2W
QRT029J-R22
GND2
D9227 OPEN
QFLC1HJ-221Z
D9222
AU01Z-T2
D9223
AU01Z-T2
D9224
MA111-X
R9224
1.5K 1/2W
R9230 OPEN
C9225
.001 5%
C9299 .001
QCZ9079-102
Y9291 BW
C9298 OPEN
GND2
R9299
8.2M .5W
QRZ0057-825
R9298 OPEN
Y9292 BW
R9226
15K 1/2W
QRK120J-152X
R9234
150k
C9229
4.7 /50
QEHR1HM-475Z
C9224 OPEN
GND2
D9225 OPEN
C9226
QFVF1HJ-224Z
PC9241
PC123FY2
VOLTAGE
R9243
1k 1/2W
R9244
1k
LIVE
ISOLATED
K9243
QQR0621-002Z
C9241 OPEN
H9241
CM42862-A0A
CP9241 BW
CP
K9241
QQR0621-002Z
CP
CP9242 BW
D9241
FMB-26L-F1
C9242
2200/25
QEZ0257-228
C9247
2200/25
QEZ0257-228
GND4
C9245 OPEN
D9243
RU3YX-LFC4
CP9243 BW
K9242
QQR0621-002Z
Y9243 OPEN
C9244
470/35
QECQ1VM-477
R9241
150
1/2W
Y9244 BW
ERROR AMP
IC9242
SE012N-LF12
C9246 OPEN
D9266 OPEN
R9277 OPEN
Q9263 OPEN
Y9242 0
NRSA63J-0R0X
GND3
IC9262
PQ1CG2032FZ
H9262
CEHT11B-002QS
IN OUT GND Vadj ON OFF
L9264 OPEN
L9265
QQL1128-003
L9266
22
QQL26AK-220Z
R9269 OPEN
Q9261 OPEN
C9266 OPEN
D9264
PTZ6.8B-X
C9267
1000/10
C9268
470
/6.3
L9268 OPEN
C9265
1000 /25
QEHR1EM-108Z
D9262
SF5S4
GND3
R9270 OPEN
R9271 OPEN
Q9262 OPEN
R9266
1.2k
0.5%
R9264
8.2k
R9263
1.8k
0.5%
R9265 OPEN
L9269
47
QQL26AK-470Z
D9265
1SR35-400A-T2
IC9263
PQ12RF1
IN OUT GND
L9267 47
QQL26AK-470Z
C9269
470/25
12V REG
C9270
100/16
GND3
Y9241 OPEN
GND4
CN900K
QGA7901C1-02
AU_VCC
AU_GND
AUDIO PWB
CN600K
(SHEET26)
CN90CA
QGA2501C5-03Z
12V
NC
GND
AUDIO PWB
CN60CA
(SHEET26)
GND3

SYSTEM POWER PWB ASS'Y
SMK-9166A-U2

PDP POWER PWB CIRCUIT DIAGRAM (1/2) SHEET 32


PDP POWER PWB ASS'Y (1/2)
SMK-9067A-U2
DISPLAY INTERFACE PWB CN900J (SHEET31)
CN001 QGA7901C1-02
AC
AC
SHEET33
AC_OFFP
AC_OFFM
AC DETECT
D151 S1WB/A/60-X
R002 120 3W QRL03EJ-121X
RY001 QSK0078-001
D002
C002 .0022 QCZ9082-222Z
C004 .0022 QCZ9082-222Z
D001 D25XB60
R001 QRZ0123-150
R003 QRZ0123-150
R004 OPEN
C003 .0022 QCZ9082-222Z
C005 .0022 QCZ9082-222Z
C001 .47 QFZ9075-474
R151 33K 1/2W QRE121J-333Y
R152 33K 1/2W QRE121J-333Y
R156 27K 1/2W QRE121J-273Y
H102 LC31942-001A
H103 LC31942-001A
D112 OPEN
L101 QQR1375-001
D105 YG912S6
TH101 QAD0125-471
PFC OUT
Q101 2SK2196
Q102 2SK2196
R105 QRZ9017-220
R107 4.7 QRZ9017-4R7
D101 D1FS4-X
R106 4.7K
R108 10K
D103 D1FS4-X
Q103 2SB1143/S/
MOS DRIVE
R109 QRZ9017-220
D102 D1FS4-X
R111 4.7 QRZ9017-4R7
R110 4.7K
R112 10K
D104 D1FS4-X
Q104 2SB1143/S/
C101 .47 MPP 400V QFZ0128-474
R101 220K 1/2W
R102 220K 1/2W
R103 QRM059J-R12
R104 QRM059J-R15
R130 OPEN
GND3
Q105 2SC3074/OY/-X
Q106 2SA1244/OY/-X
R145 330 1/2W
C102 QEZ0580-157
C103 QEZ0580-157
C114 OPEN
R127 120K 1/4W 1%
R128 120K 1/4W 1%
R129 120K 1/4W 1%
R131 220K 1/4W 1%
R132 220K 1/4W 1%
R133 120K 1/4W 1%
CP101 QMFZ043-5R0Z-J1
D152 MTZJ22B-T2
18V
375V
30V
GND3
5V
TEMP_ALM
SHEET33
R136 3.9K
R201 10K
PC101 PC123FY2
PROTECTOR FB
GND1
Q107 *2
Q108 SF0R1A42-T
R141 18K
R138 1.2K
C117 1/50 HR
R140 10K
R549 33K
R137 10K
R139 OPEN
PROTECTOR
R202 2.2K
R203 10K
Q201 *2
ISOLATED
LIVE
D106 MA8051/M/-X
C104 .015
C105 470P CH
C106 OPEN
C118
C108 .22 HZ
D107 MA8110/H/-X
C107 .01
R113 27
R114 0
R115 27K
R116 47K
R117 82 1/2W QRK126J-820X
IC101 FA5502M-X
PFC CONTROL
IDET CT SYNC REF ON/OFF CS VCC VC
IFB IIN VDET OVP VFB VIN GND OUT
R118 OPEN
C113 100/35 HR
C109 680P CH
C110 470P CH
R119 10K
C111 .0015 CH
C112 1 EK
R120 2.2K
R121 390K
R122 33K
R123 1.5K NRVA63D-152X
R124 0
R125 OPEN
R134 OPEN
R135 OPEN
R126 2.2K NRVA63D-222X
NOTE
BW : BUS WIRE
*1 : MA111-X
*2 : 2SC2412K/QR/-X
*3 : 2SA1037AK/QR/-X
X : OPEN

PDP POWER PWB CIRCUIT DIAGRAM (2/2) SHEET 33


PDP POWER PWB ASS'Y (2/2)
SMK-9067A-U2
SHEET32
375V
GND3
AC_OFFP
AC_OFFM
18V
30V
IC501 STR-F6672/F3
IC601 STR-F6268S-F3
IC701 STR-F6264-F3
T501 QQS0135-001
T601 QQS0193-001
T602 QQS0193-001
T701 QQS0194-001
IC503 LC31942-001A
FAN POWER REGULATOR
IC504 OPEN FAN CONTROL DAC
IC505 TCN75-5.0MOA-X TEMPERATURE SENSOR
IC506 S-80840CLNB-W
5V LOW VOLTAGE PROTECTOR
POWER SEQUENCE CONTROL
FAN LOCK PROTECTOR
OVER LOAD PROTECTOR
5V OSC SWITCH
AC DET. SWITCH
170V OSC SWITCH
170V SWITCH
60V OSC SWITCH
60V SWITCH
170V DETECT
60V DETECT
DISCHARGE CIRCUIT
ERROR AMP
Vcc REGULATOR
VOLTAGE
BUFFER
5V
CN0AO
CN0AP
CN0AQ
12V(FAN)
GND
SENSE
CN0AV QGA2501C5-07Z
SDA
SCL
PROTECTOR
ST5V
EX
DISPLAY INTERFACE PWB
CN0AV
(SHEET22)
CN0C4 QGA2501C5-06Z
Vs(170V)
NC
Vd(60V)
Vcc(5V)
OPEN
CN0AT QGA3901C1-04
CN0AU QGA3901C1-10
LVP
PDP
(PANEL)
CN00Q
AC_DET
TEMP_ALM
POWER
HV
TEMP_ALM
LIVE
ISOLATED

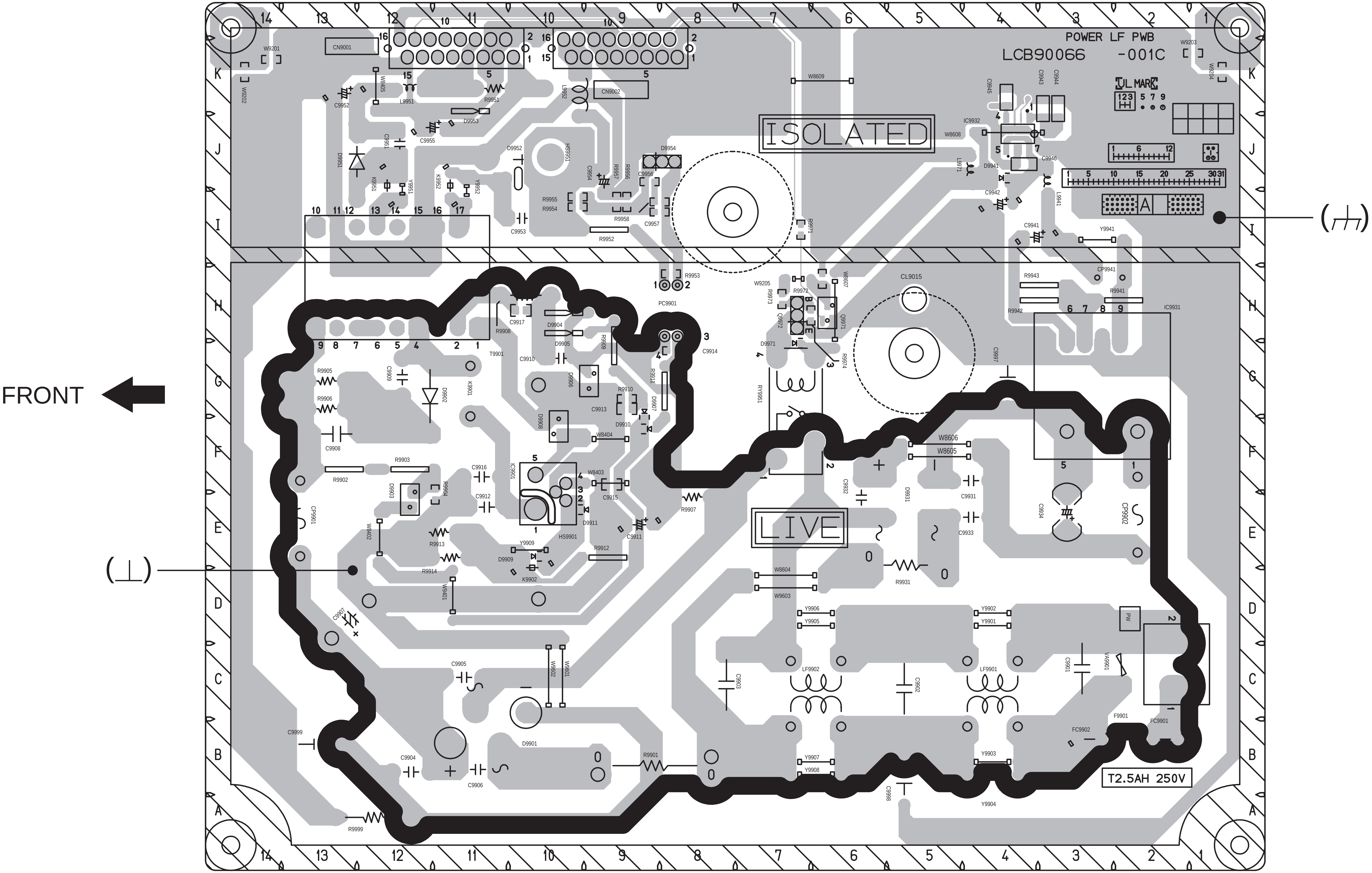
x	OPEN
0	NRSA63J-0R0X
*1	MA111-X
*2	2SC2412K/QR/-X
*3	2SA1037AK/QR/-X
WB	IM-BW

NOTE

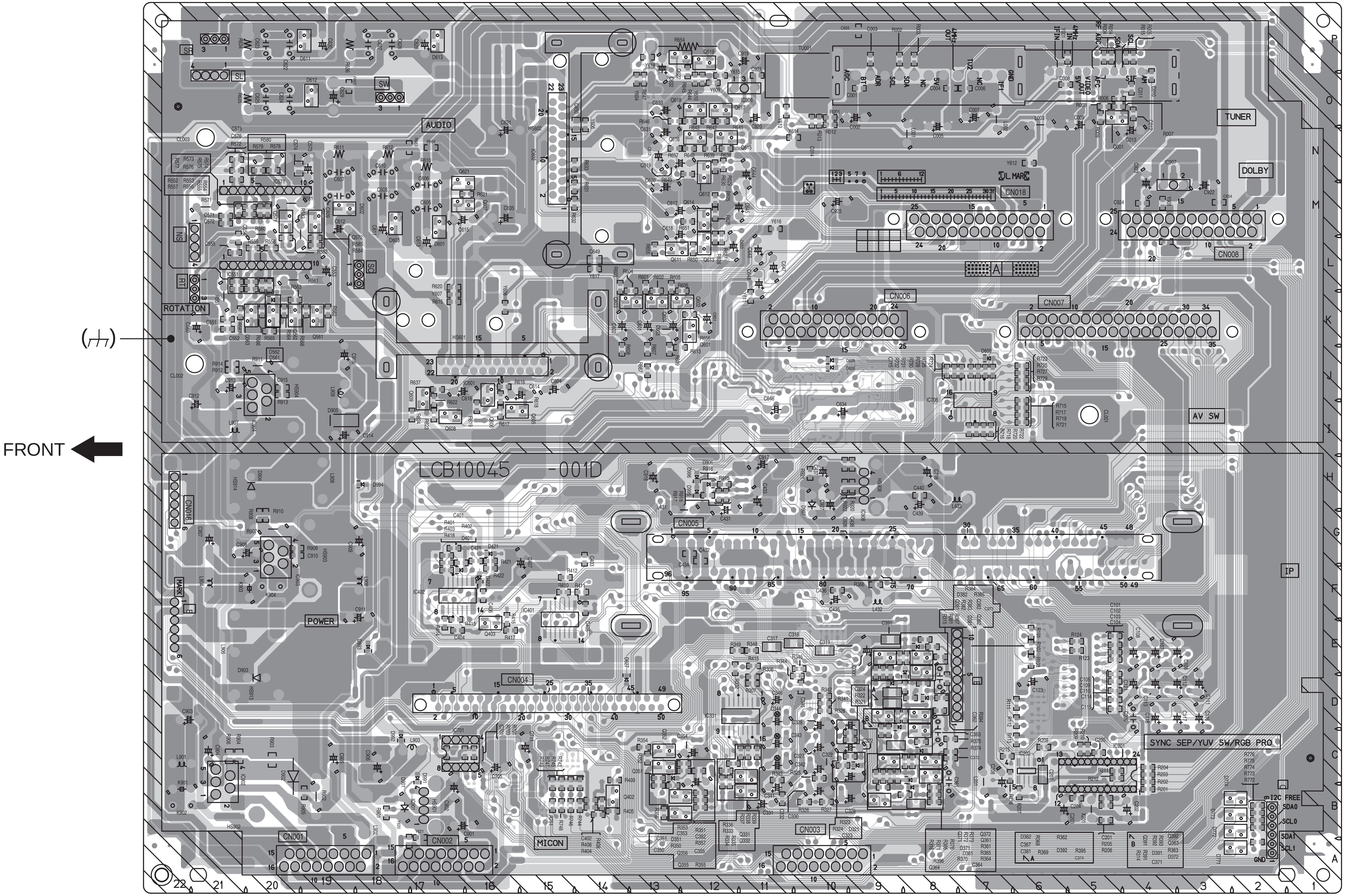
BW : BUS WIRE
*1 : MA111-X
*2 : 2SC2412K/QR/-X
*3 : 2SA1037AK/QR/-X
X : OPEN

PATTERN DIAGRAMS [RECEIVER UNIT]

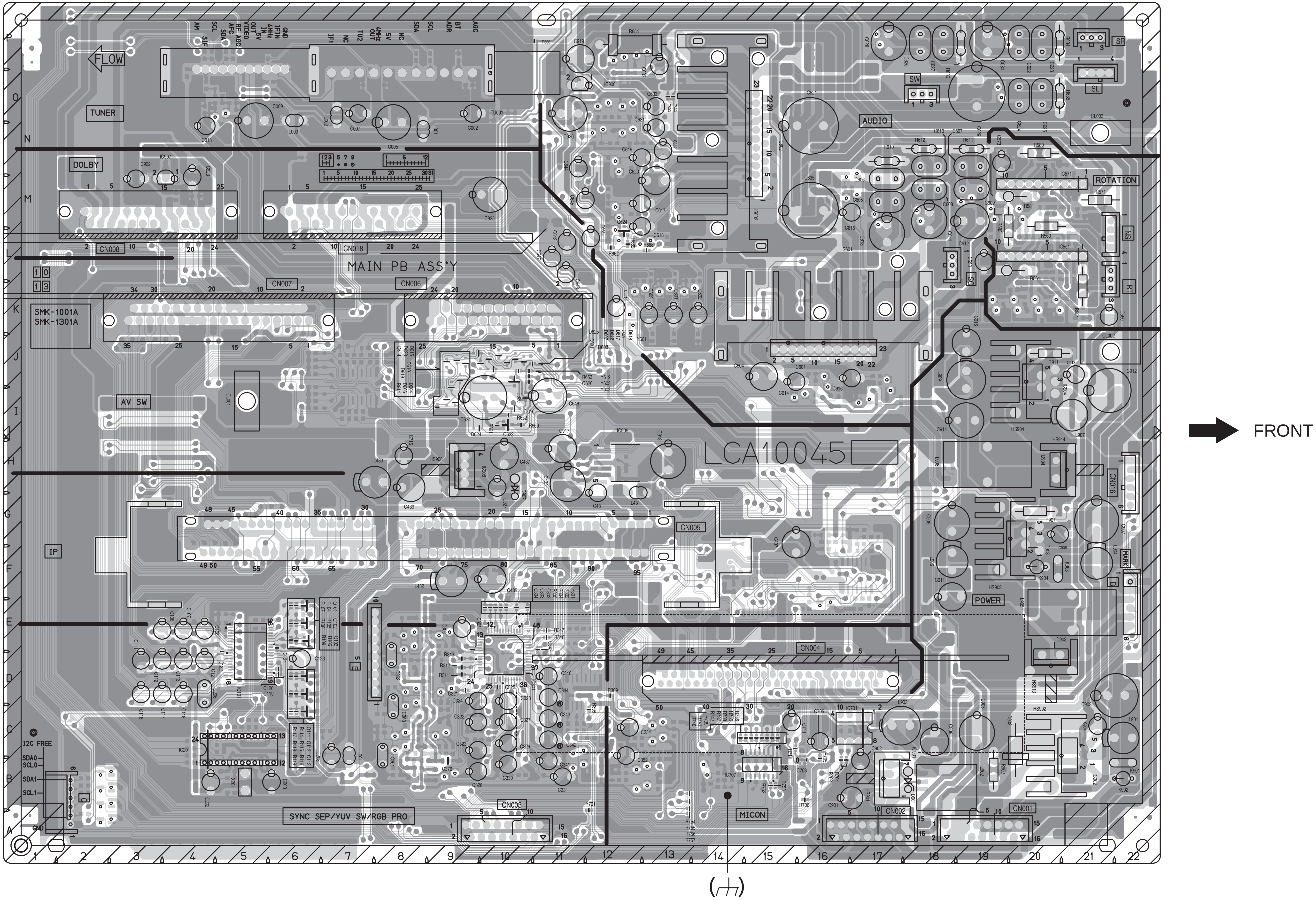
RECEIVER POWER PWB PATTERN


POWER LF PWB
LCB90066 -001C
ISOLATED
LIVE
T2.5AH 250V
FRONT
(⊥)
CN9001
CN9002
W9201
W9202
W9203
W9204
W9405
L9951
C9952
R9951
D9953
C9955
C9951
D9951
K9951
Y9951
K9952
Y9952
D9952
HS9951
L9952
C9954
R9957
R9956
D9954
C9956
R9955
R9954
R9958
C9957
C9953
R9952
R9953
PC9901
R9971
W8609
W8608
IC9932
C9945
C9943
C9944
C9946
D9941
L9971
C9942
L9941
C9941
Y9941
CP9941
R9943
R9941
R9942
IC9931
W9205
R9972
R9973
Q9972
Q9971
W8607
D9971
R9974
CL9015
RY9951
C9997
C9917
R9908
D9904
D9905
R9909
T9901
C9910
C9914
R9905
R9906
C9909
D9902
K9901
D9906
R9911
R9910
D9907
C9913
D9910
D9908
W8404
C9908
R9903
R9902
C9916
IC9901
W8403
D9903
R9904
C9912
C9915
HS9901
D9911
C9911
R9907
CP9901
W8402
R9913
Y9909
D9909
R9914
K9902
R9912
W9401
W8606
W8605
C9932
D9931
C9931
C9933
C9934
CP9902
W8604
W9603
R9931
C9907
Y9906
Y9905
Y9902
Y9901
PW
C9905
W9602
W9601
C9903
LF9902
C9902
LF9901
C9901
VA9901
F9901
FC9901
FC9902
C9999
D9901
R9901
C9904
C9906
Y9907
Y9908
Y9903
Y9904
C9998
R9999
UL MARK
A B C D E F G H I J K
1 2 3 4 5 6 7 8 9 10 11 12 13 14

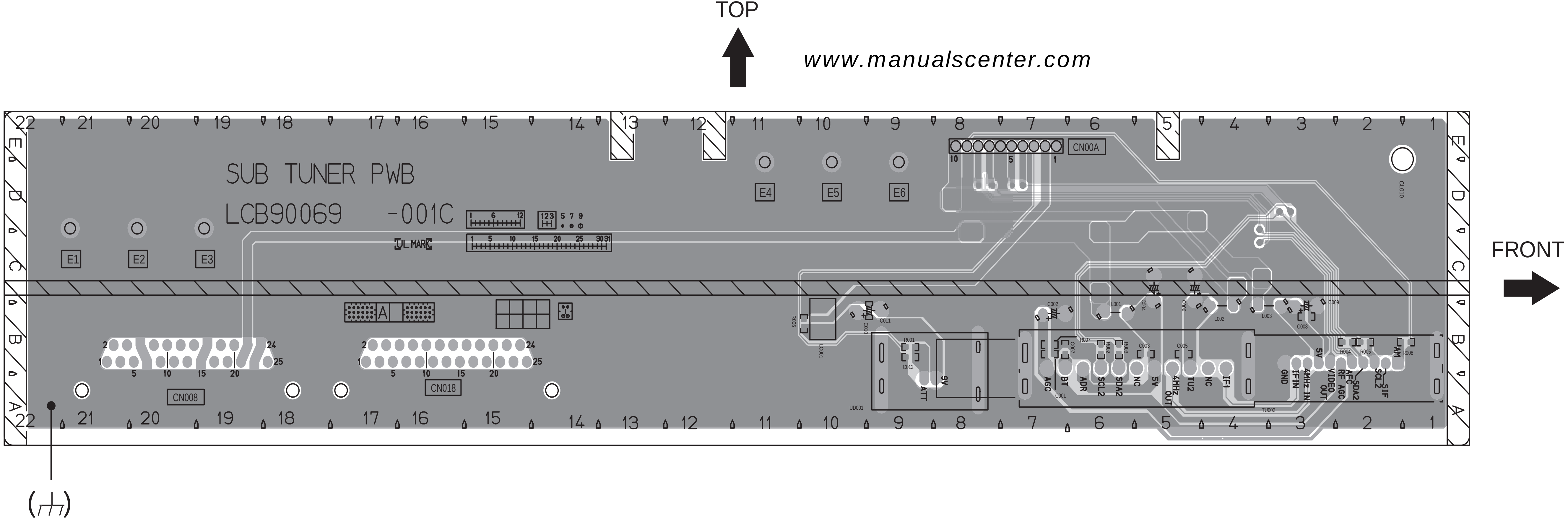
MAIN PWB PATTERN [SOLDER SIDE]


FRONT
LCB10045 -001D
AUDIO
ROTATION
POWER
MICON
TUNER
DOLBY
AV SW
IP
SYNC SEP/YUV SW/RGB PRO
CN001
CN002
CN003
CN004
CN005
CN006
CN007
CN008
CN016
CN018
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

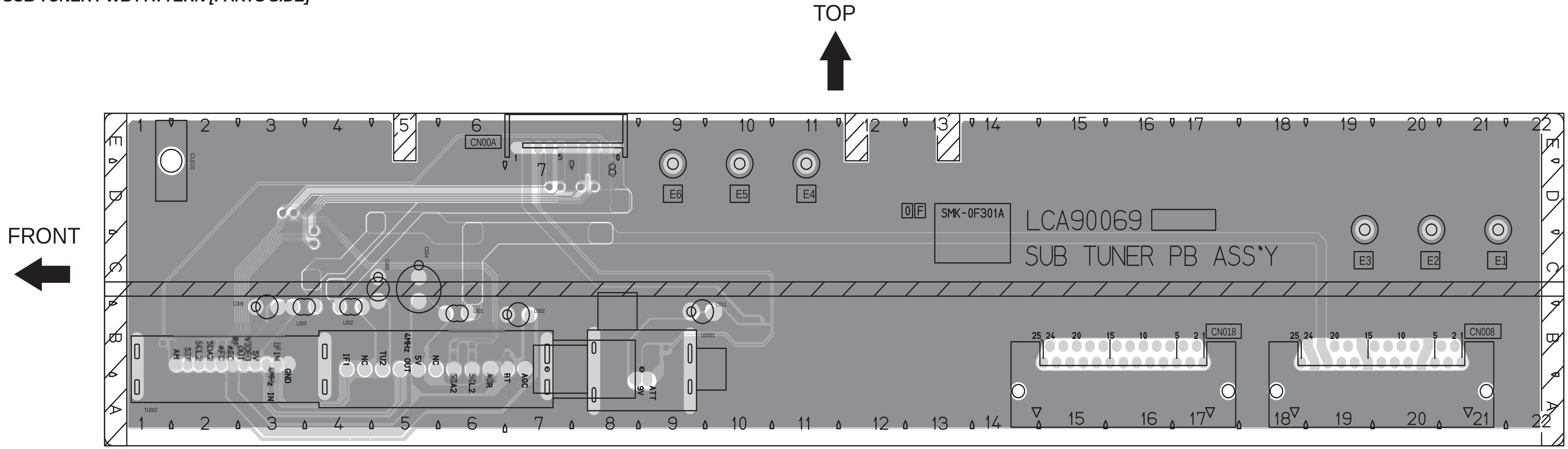
MAIN PWB PATTERN [PARTS SIDE]


FLOW
TUNER
DOLBY
CN008
CN018
MAIN PB ASS'Y
CN007
CN006
SMK-1001A
SMK-1301A
AV SW
IP
AUDIO
ROTATION
LCA10045
CN005
CN004
POWER
MARK
CN016
SYNC SEP/YUV SW/RGB PRO
CN003
MICON
CN002
CN001
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
FRONT

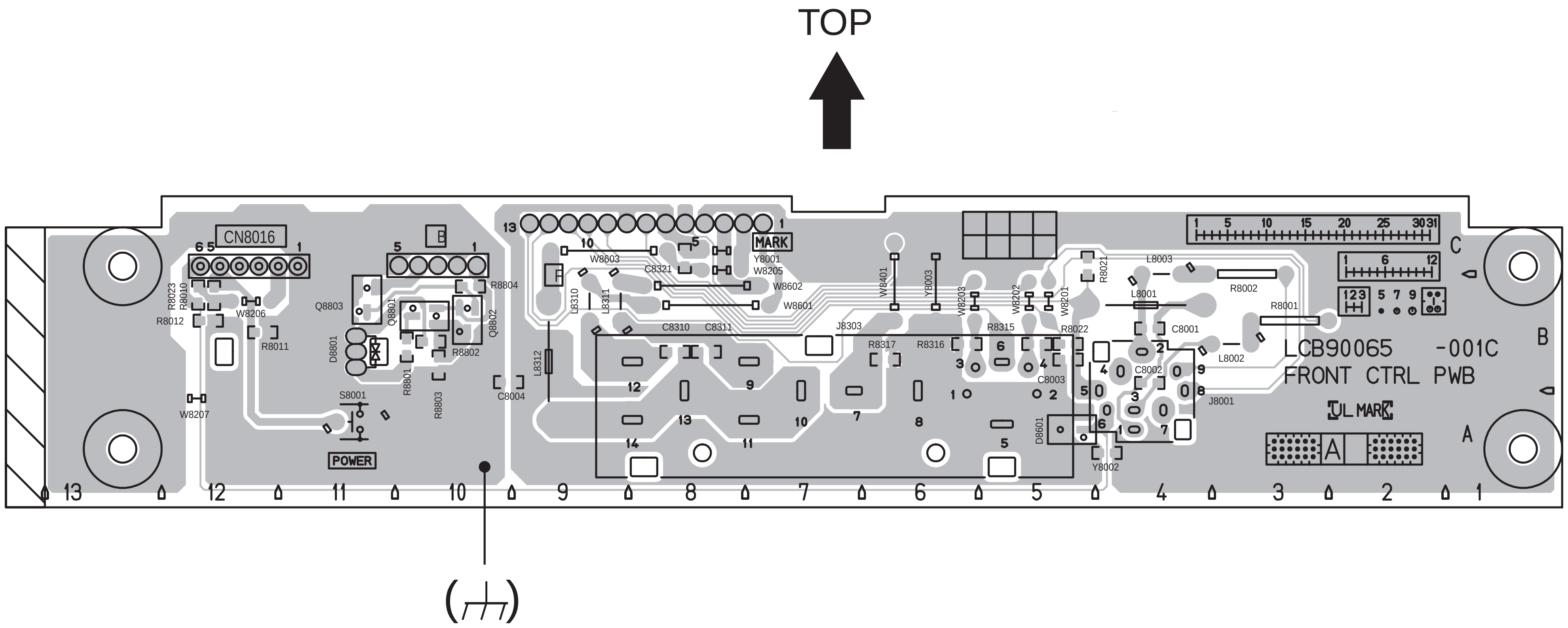
SUB TUNER PWB PATTERN [SOLDER SIDE]


TOP
FRONT
SUB TUNER PWB
LCB90069 -001C
E1
E2
E3
E4
E5
E6
CN00A
CN008
CN018
CL010
TU002
UD001
5V
IF IN
4MHz IN
VIDEO OUT
RF AGC
AFC
SDA2
SCL2
SIF
AM
GND
AGC
BT
ADR
SCL2
SDA2
NC
5V
4MHz OUT
TU2
NC
IF1
ATT
9V
A
B
C
D
E
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

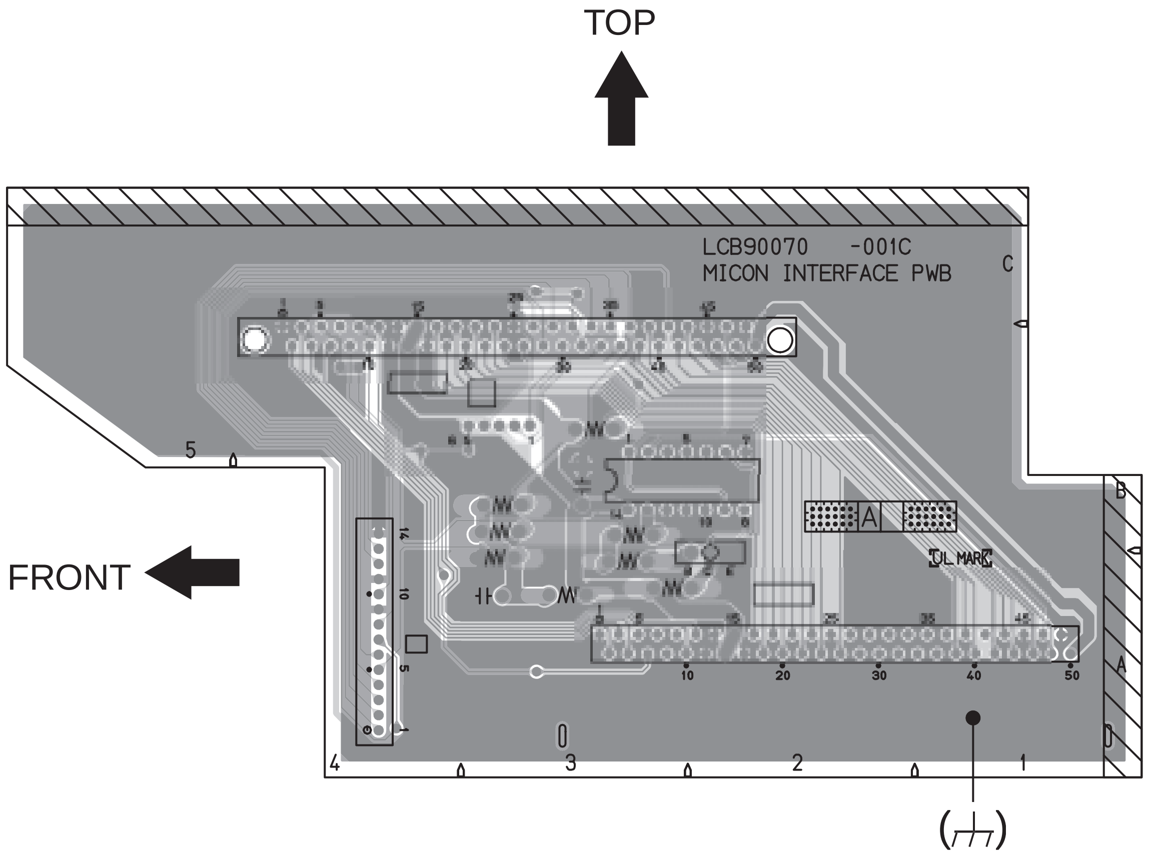
SUB TUNER PWB PATTERN [PARTS SIDE]


TOP
FRONT
CN00A
CL010
E6
E5
E4
E3
E2
E1
SMK-0F301A
LCA90069
SUB TUNER PB ASS'Y
CN018
CN008
TU002
UD001
C009
L003
L002
L001
C002
C011
AM
SIF
SCL2
SDA2
AFC
RF AGC
VIDEO OUT
5V
IF IN
4MHz IN
GND
IF1
NC
TU2
4MHz OUT
5V
NC
SDA2
SCL2
ADR
BT
AGC
9V
ATT
A
B
C
D
E
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

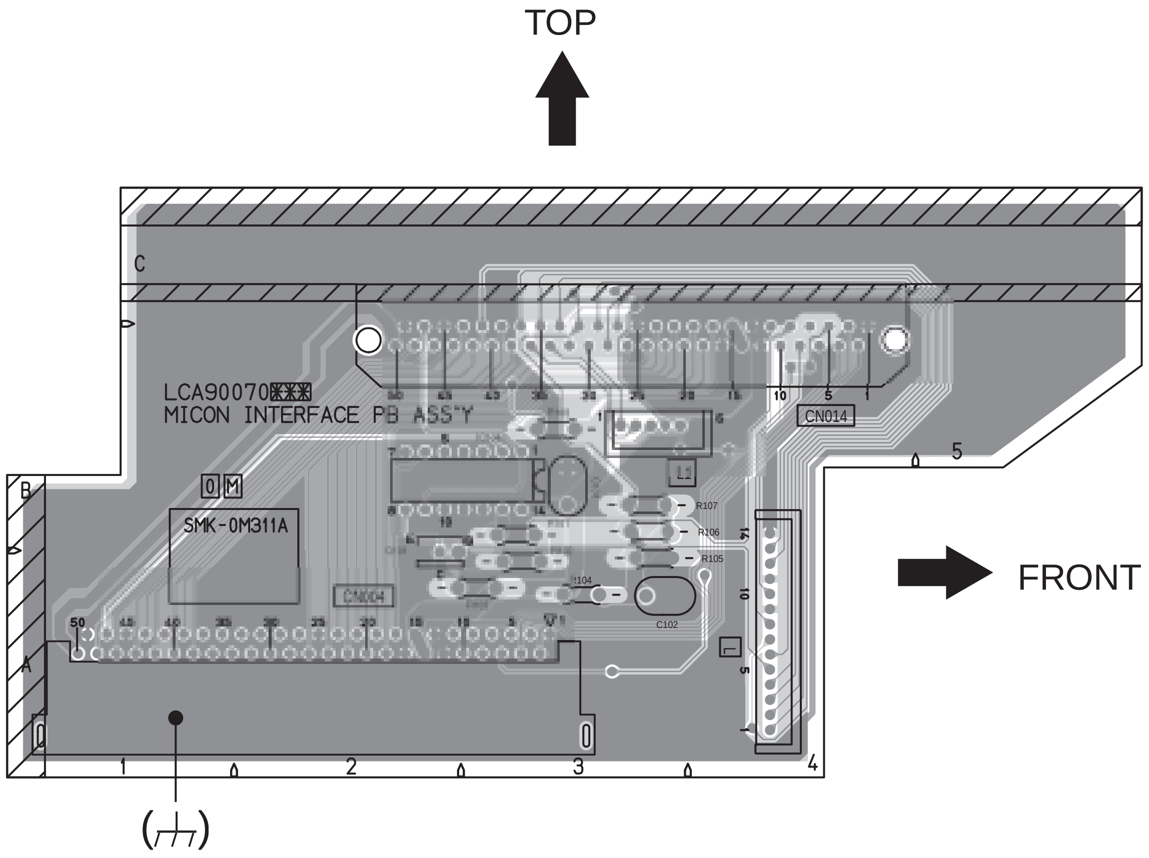
FRONT CONTROL PWB PATTERN


TOP
CN8016
LCB90065 -001C
FRONT CTRL PWB
UL MARK
MARK
POWER
S8001
Q8801
Q8802
Q8803
D8801
D8601
R8001
R8002
R8010
R8011
R8012
R8021
R8022
R8023
R8315
R8316
R8317
R8801
R8802
R8803
R8804
C8001
C8002
C8003
C8004
C8310
C8311
C8321
L8001
L8002
L8003
L8310
L8311
L8312
W8201
W8202
W8203
W8205
W8206
W8207
W8401
W8601
W8602
W8603
Y8001
Y8002
Y8003
J8001
J8303
A
B
C
13
12
11
10
9
8
7
6
5
4
3
2
1

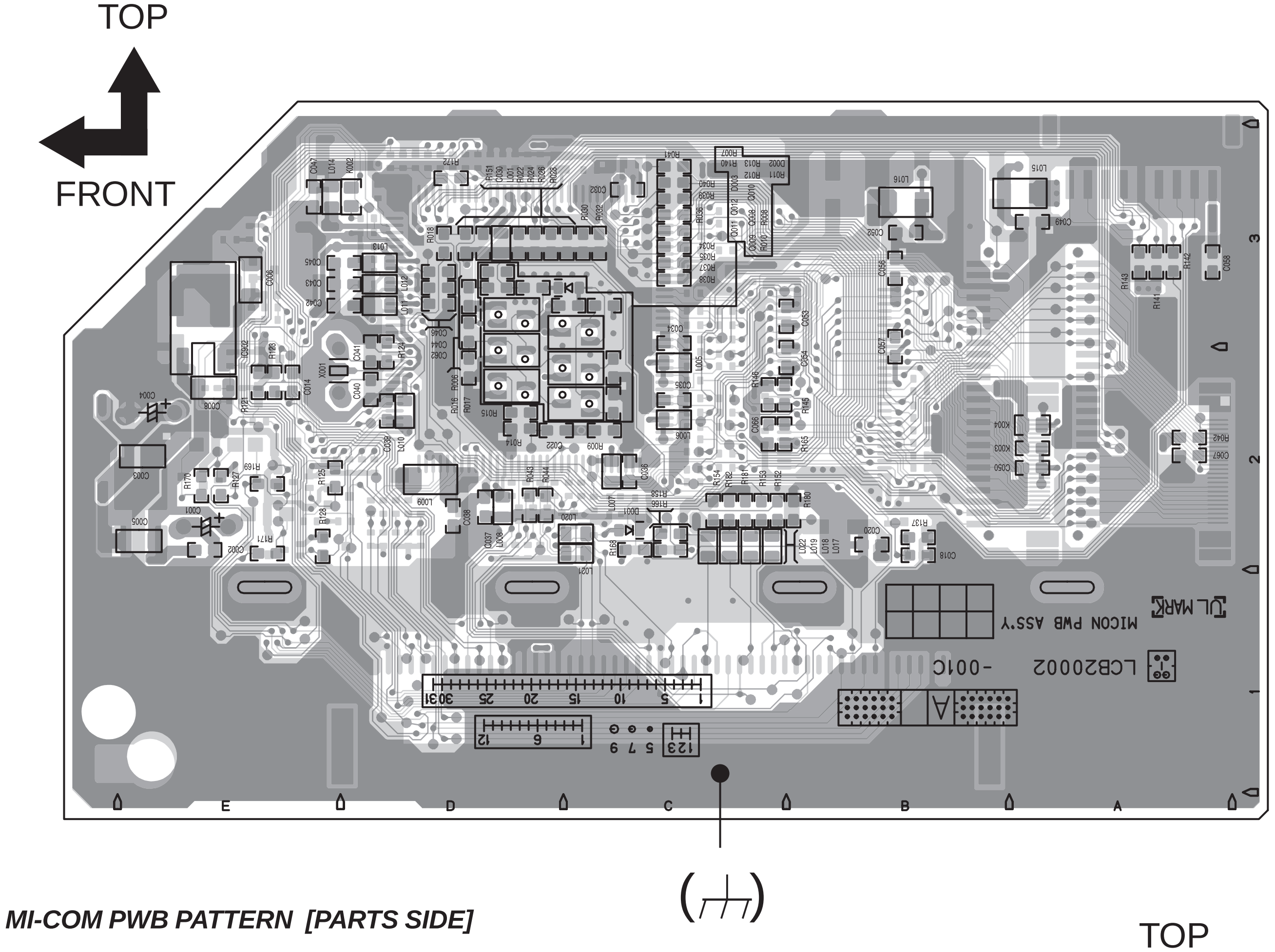
MI-COM INTERFACE PWB PATTEREN [SOLDER SIDE]


TOP
FRONT
LCB90070 -001C
MICON INTERFACE PWB
UL MARK
A
B
C
5
4
3
2
1
10
20
30
40
50

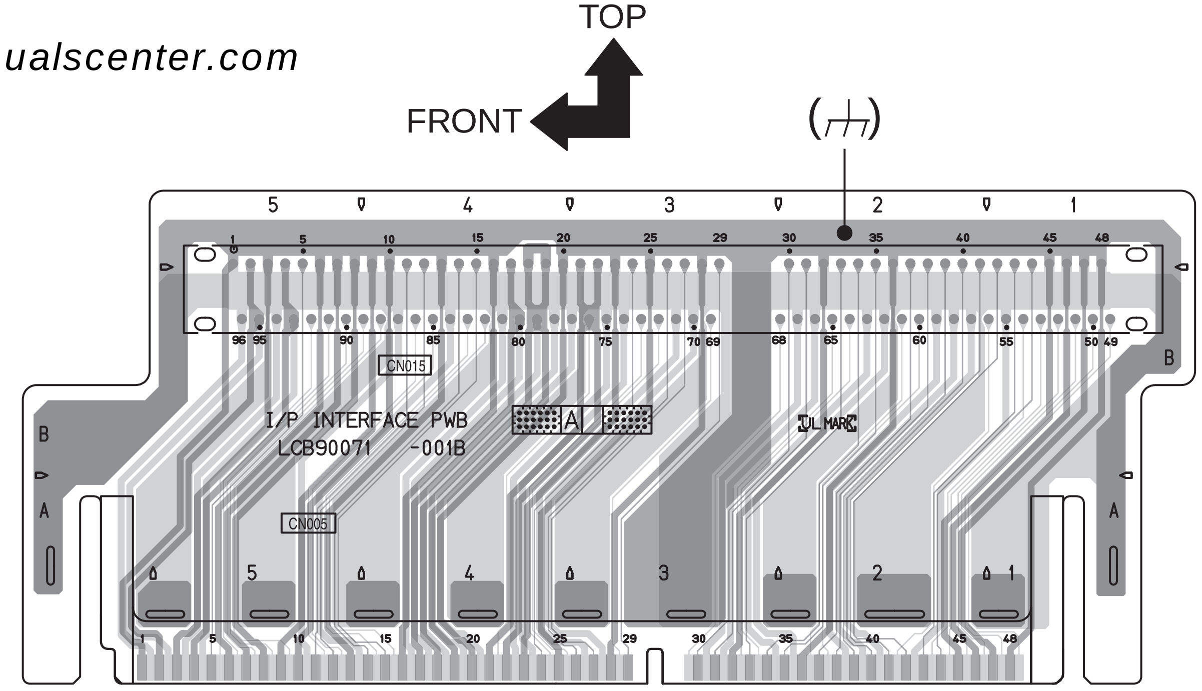
MI-COM INTERFACE PWB PATTEREN [PARTS SIDE]


TOP
FRONT
LCA90070
MICON INTERFACE PB ASS'Y
SMK-0M311A
CN014
CN004
R104
R105
R106
R107
C102
A
B
C
5
4
3
2
1
10
20
30
40
50

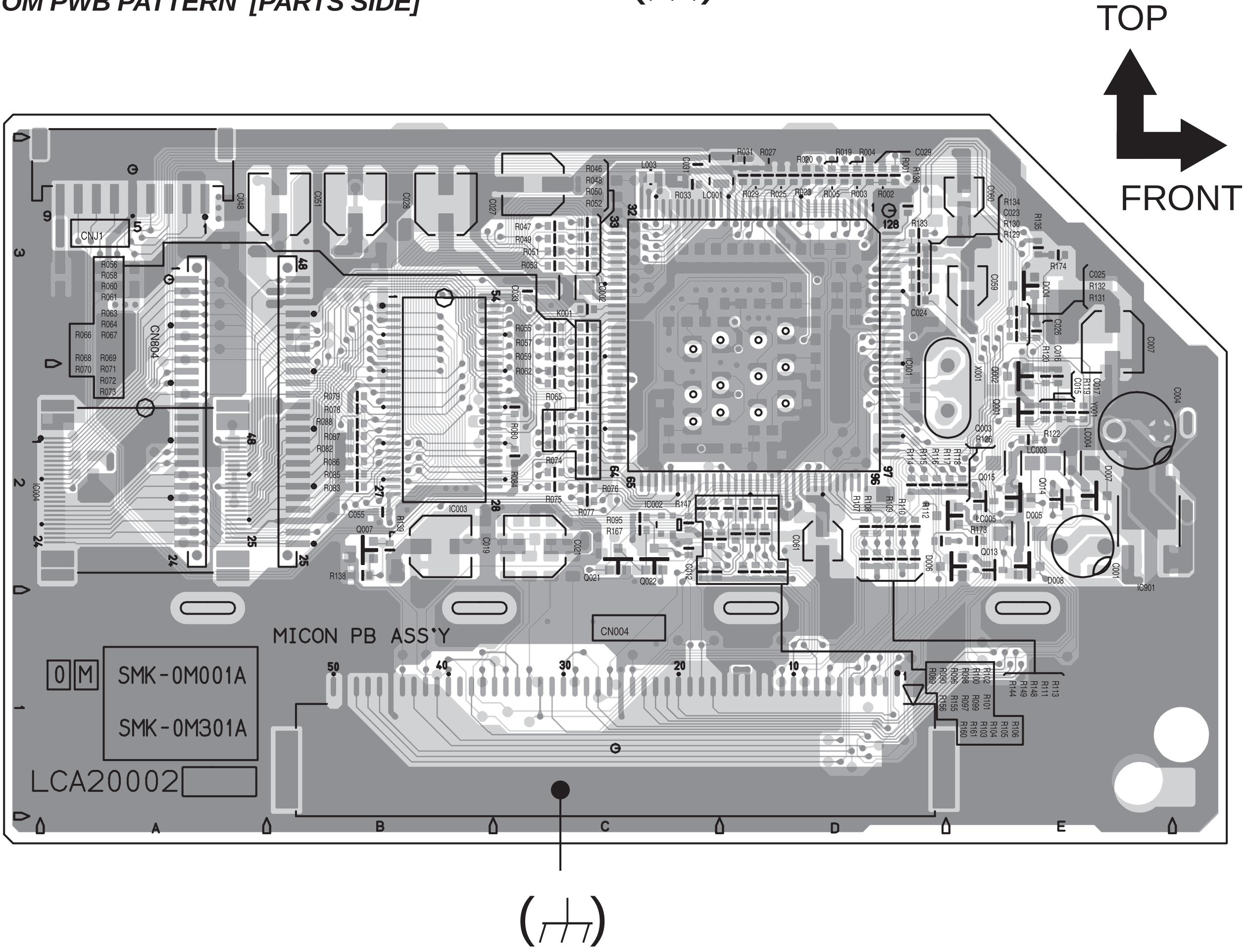
MI-COM PWB PATTERN [SOLDER SIDE]


TOP
FRONT
MICON PWB ASS'Y
LCB20002 -001C
A
B
C
D
E
1
2
3

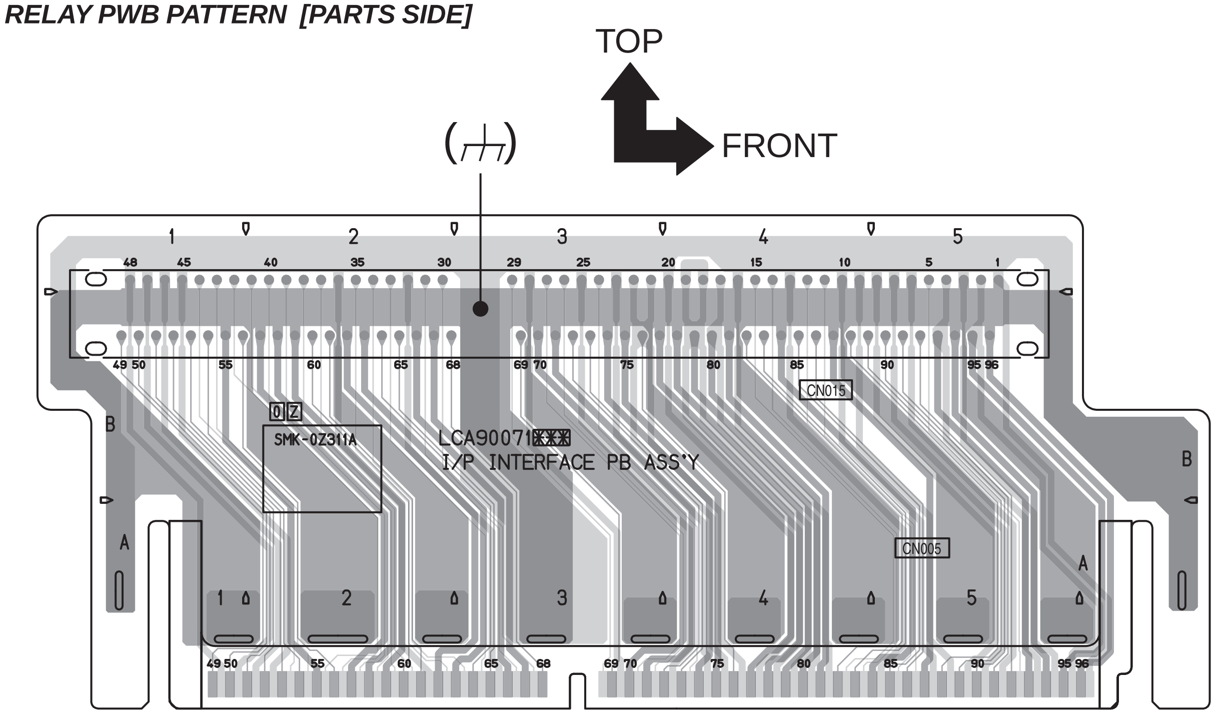
DIST RELAY PWB PATTERN [SOLDER SIDE]


TOP
FRONT
I/P INTERFACE PWB
LCB90071 -001B
CN015
CN005
A
B
1
2
3
4
5

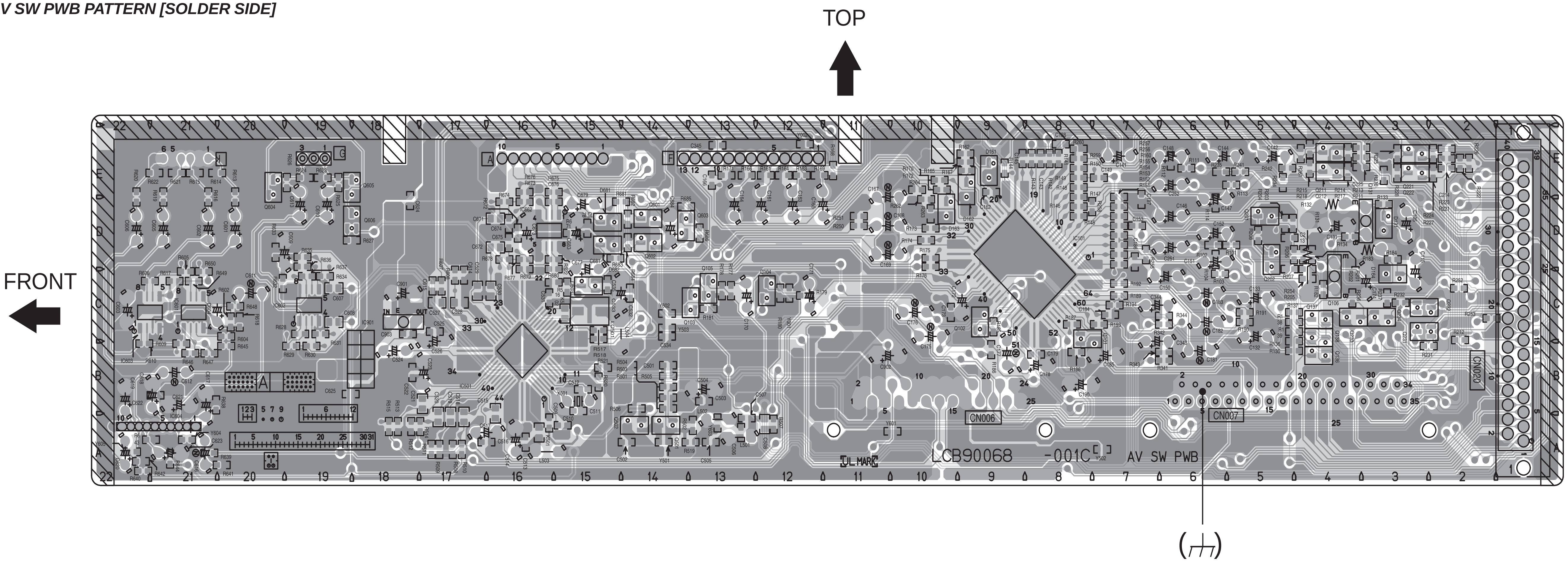
MI-COM PWB PATTERN [PARTS SIDE]


TOP
FRONT
MICON PB ASS'Y
SMK-0M001A
SMK-0M301A
LCA20002
CN004
CN001
A
B
C
D
E
1
2
3

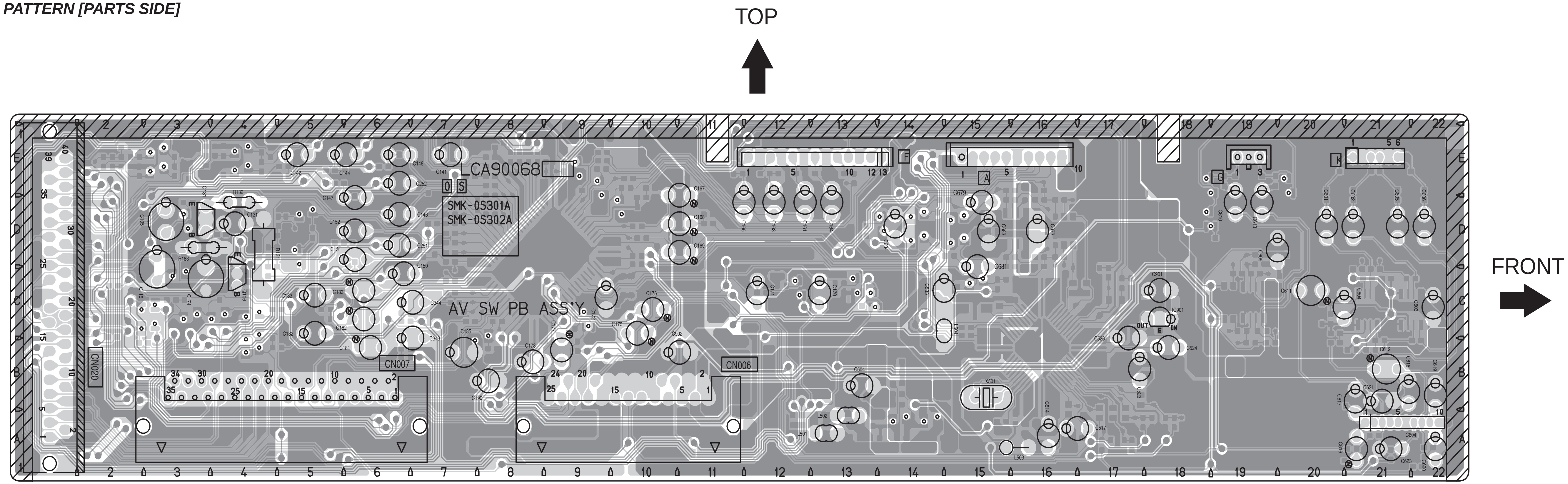
DIST RELAY PWB PATTERN [PARTS SIDE]


TOP
FRONT
SMK-0Z311A
LCA90071
I/P INTERFACE PB ASS'Y
CN015
CN005
A
B
1
2
3
4
5

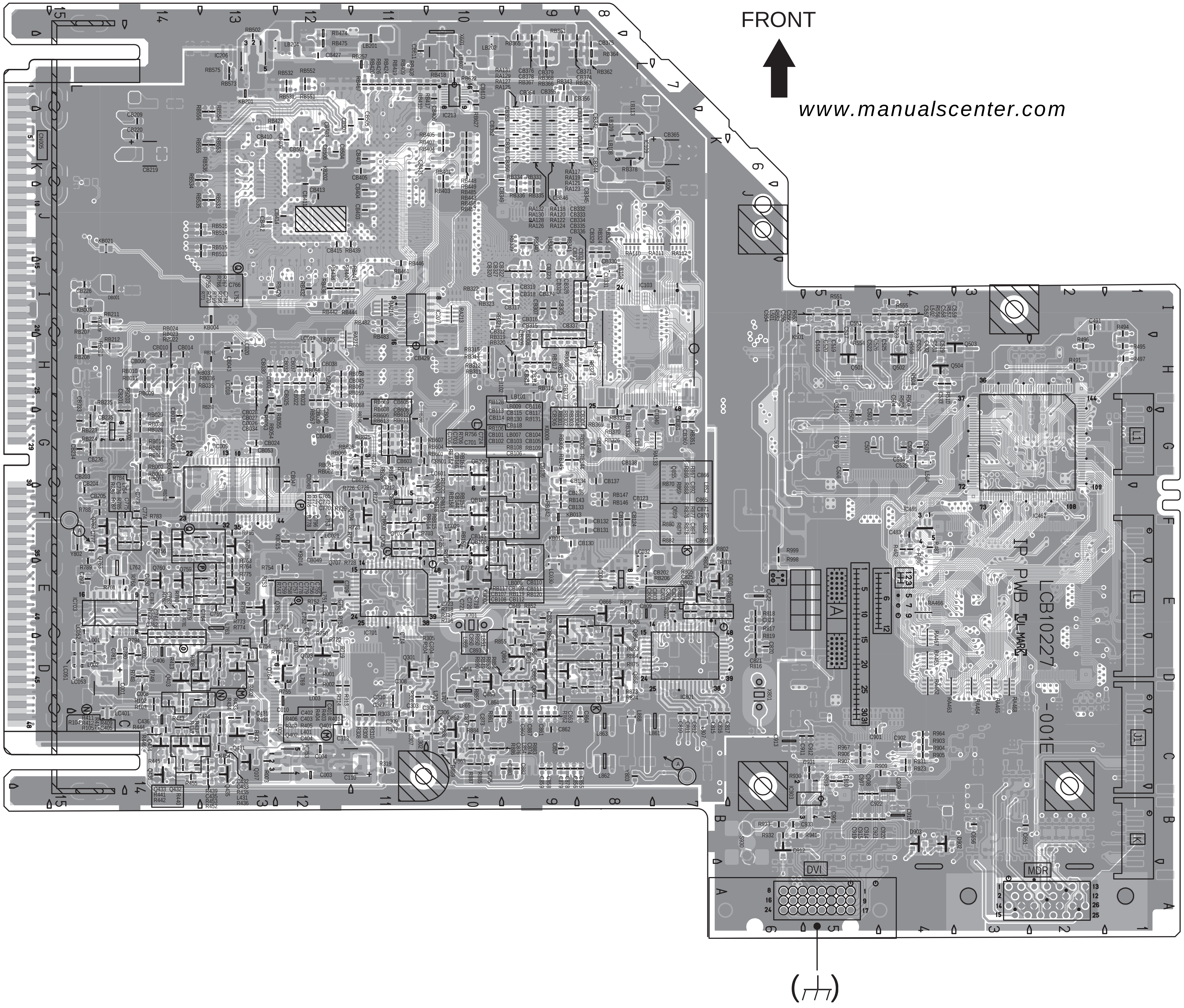
AV SW PWB PATTERN [SOLDER SIDE]


TOP
FRONT
CN006
CN007
CN020
LCB90068 -001C AV SW PWB
(⏚)

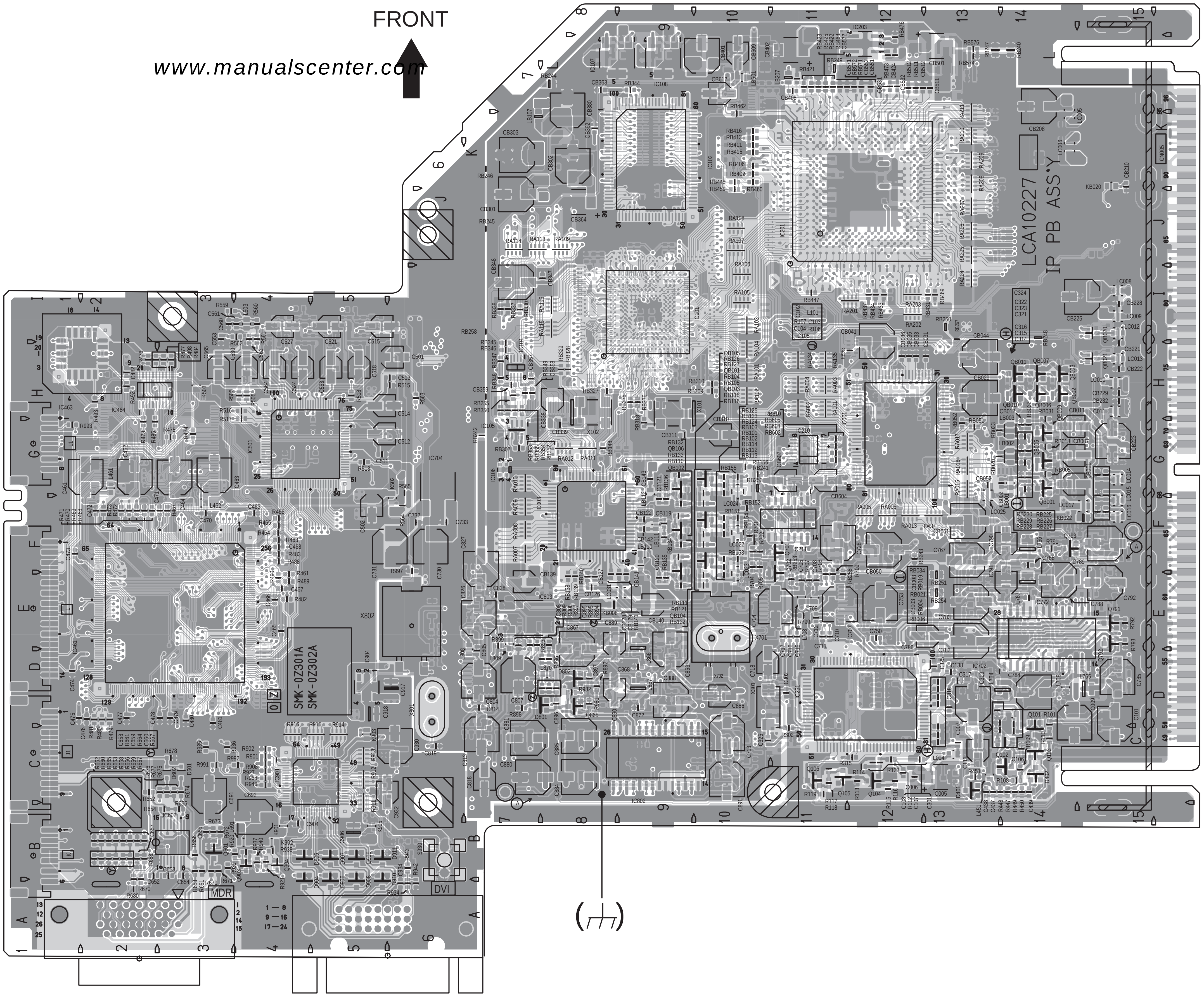
AV SW PWB PATTERN [PARTS SIDE]


TOP
FRONT
LCA90068
SMK-0S301A
SMK-0S302A
AV SW PB ASS'Y
CN020
CN007
CN006

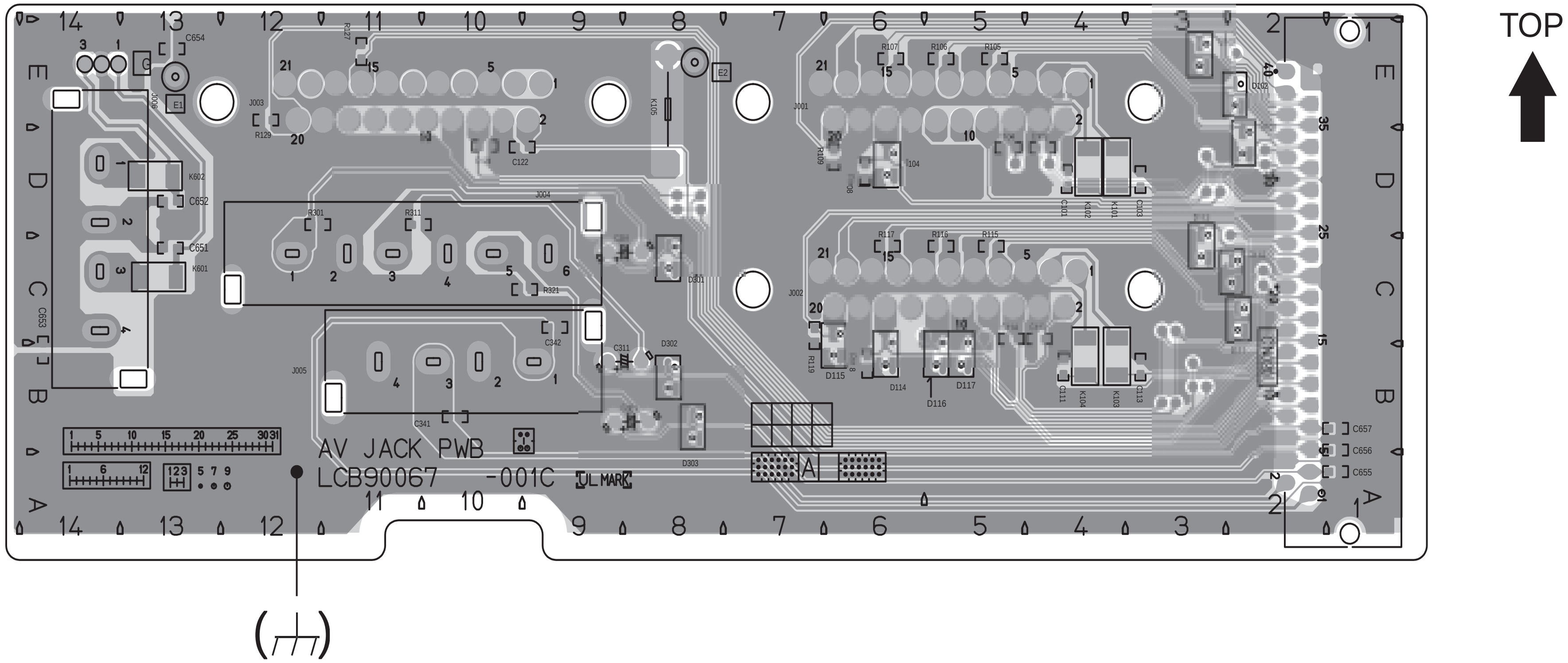
DIST PWB PATTERN [SOLDER SIDE]


FRONT
TP PWB
LCB10227-001E
DVI
MDR
L1
J1
K
IC103
IC301
IC701
X701
X301

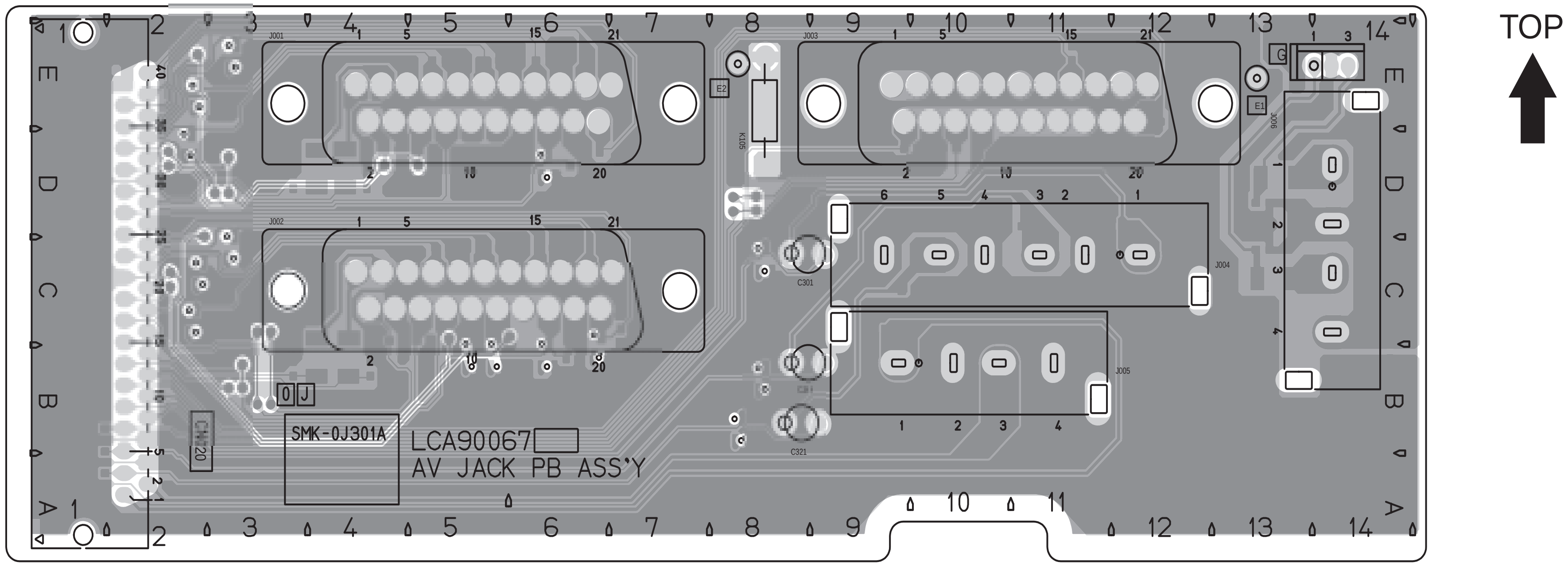
DIST PWB PATTERN [PARTS SIDE]


FRONT
www.manualscenter.com
LCA10227
IP PB ASS'Y
SMK-0Z301A
SMK-0Z302A
MDR
DVI
X802
X701
IC704
IC802

AV JACK PWB PATTERN [SOLDER SIDE]

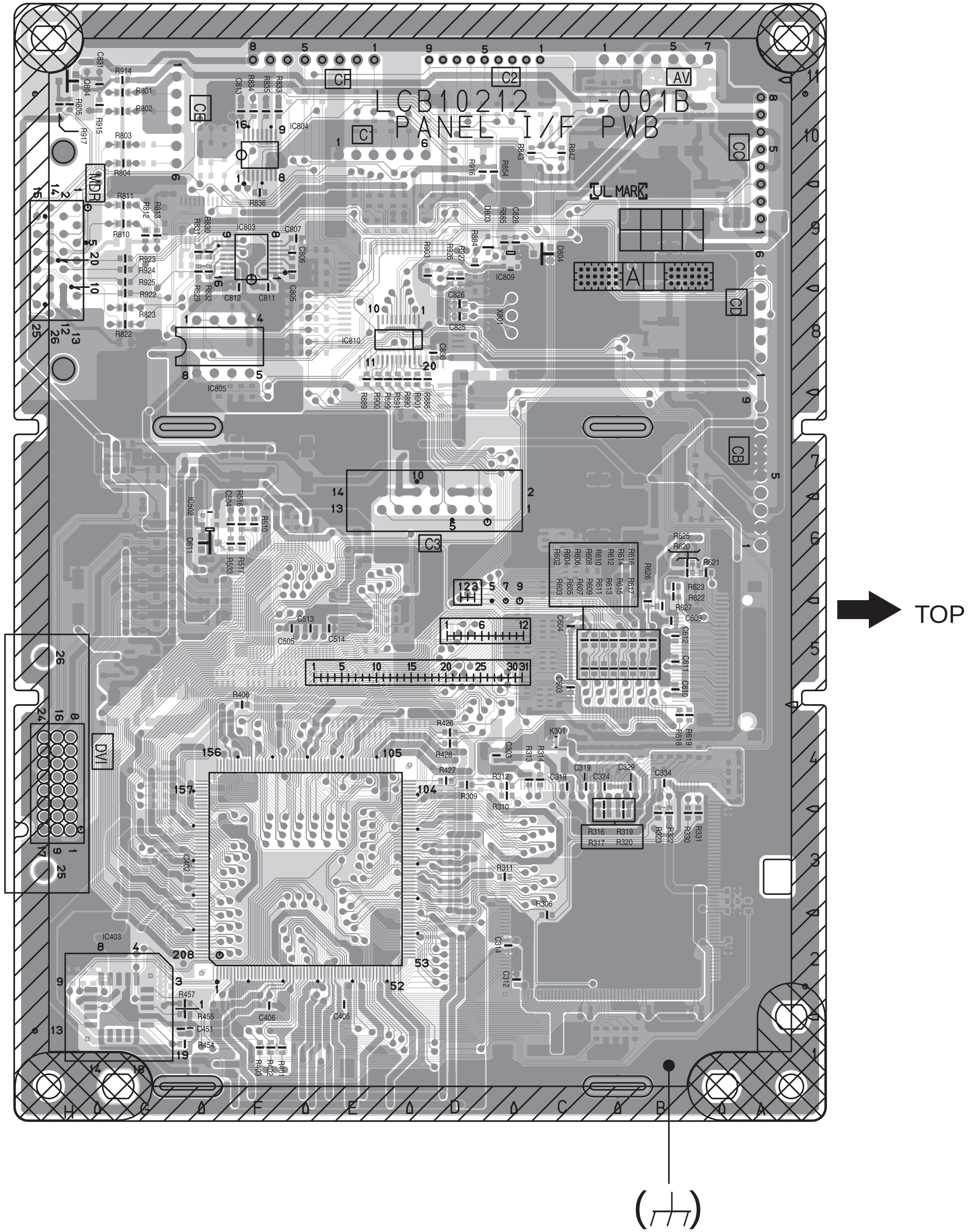

TOP
AV JACK PWB
LCB90067 -001C
J001
J002
J003
J004
J005
CN820
C651
C652
C653
C654
C655
C656
C657
K601
K602
D302
D303
D114
D115
D116
D117
E1
E2
A
B
C
D
E
1
2
3
4
5
6
7
8
9
10
11
12
13
14

AV JACK PWB PATTERN [PARTS SIDE]

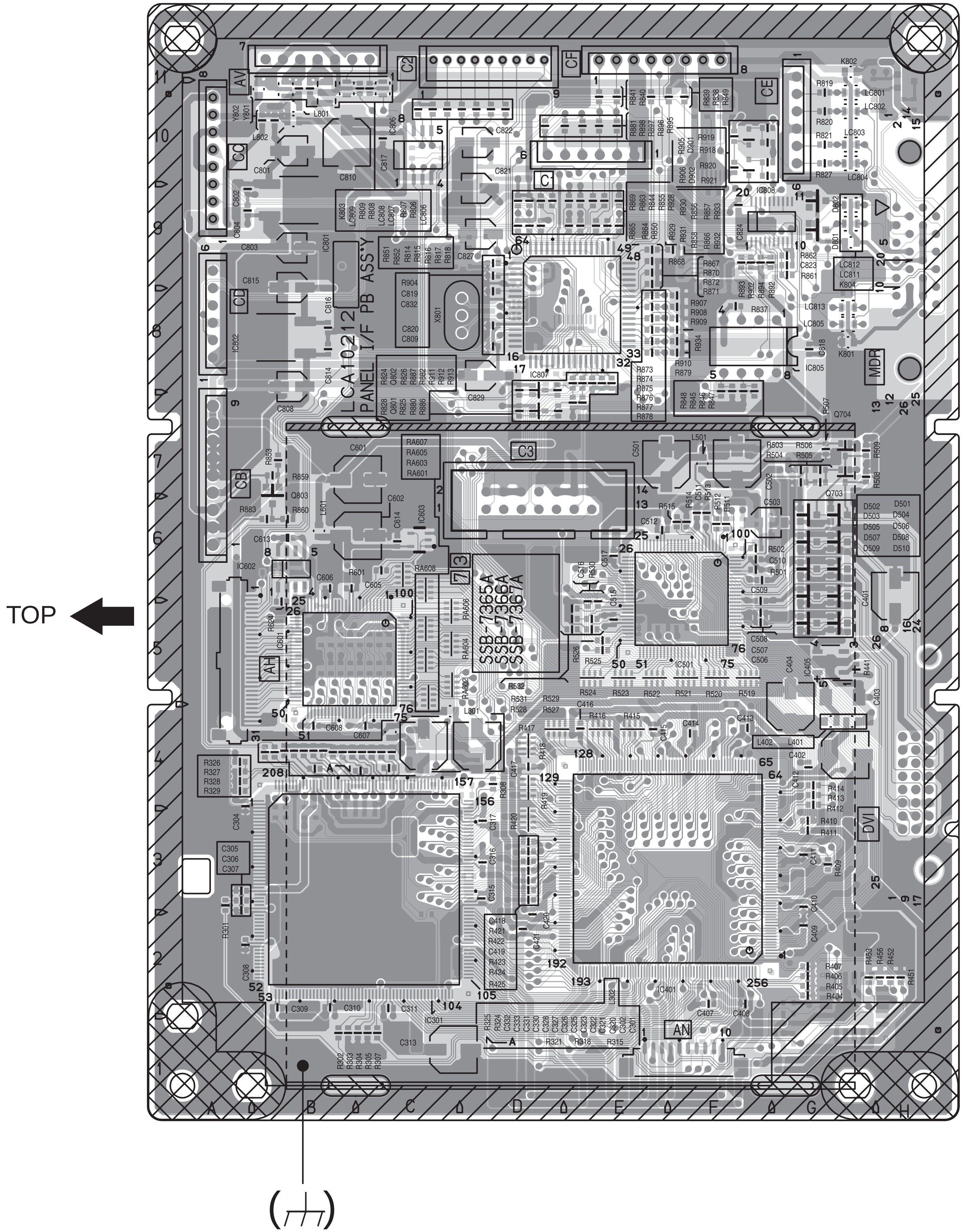

TOP
SMK-0J301A
LCA90067
AV JACK PB ASS'Y
J001
J002
J003
J004
J005
CN820
C301
C311
C321
E1
E2
0J
A
B
C
D
E
1
2
3
4
5
6
7
8
9
10
11
12
13
14

PATTERN DIAGRAMS [DISPLAY UNIT]

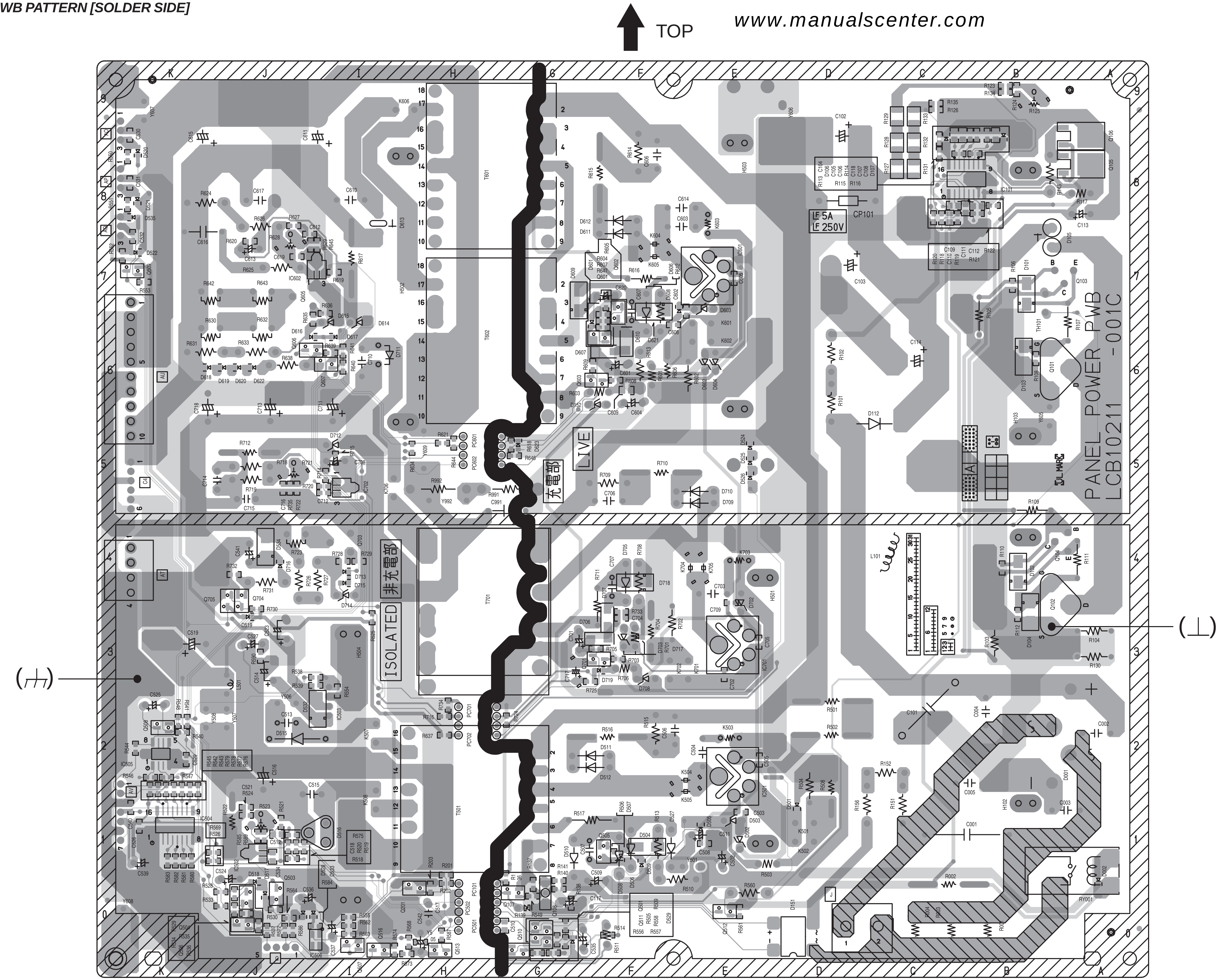
DISPLAY INTERFACE PWB PATTERN [SOLDER SIDE]


LCB10212 -001B
PANEL I/F PWB
CF
C2
AV
CE
C
CC
CD
CB
C3
MDR
DVI
UL MARK
A
IC803
IC804
IC805
IC809
IC810
IC403
TOP
H
G
F
E
D
C
B
A

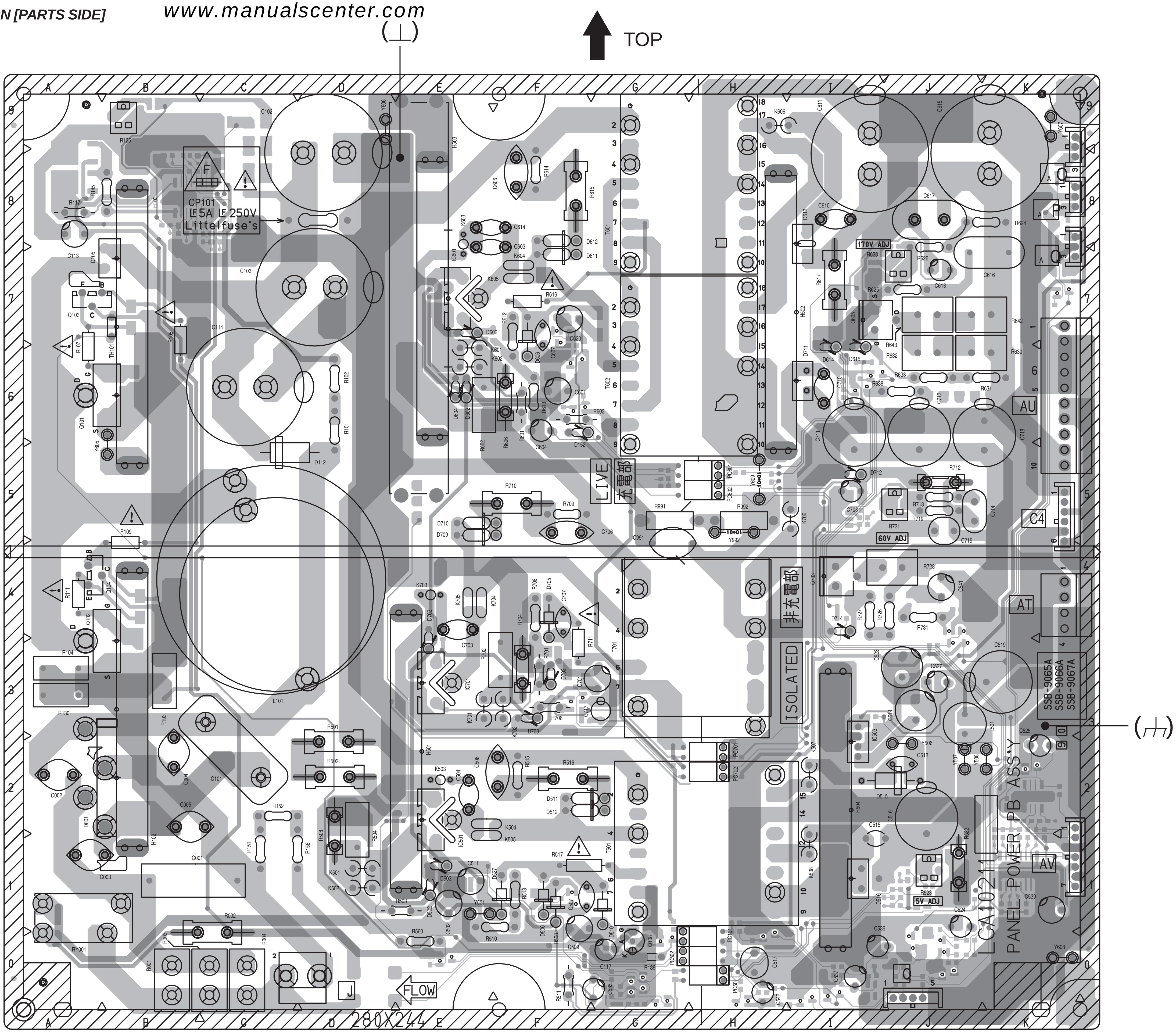
DISPLAY INTERFACE PWB [PARTS SIDE]


TOP
LCA10212
PANEL I/F PB ASS'Y
AV
C2
CF
CE
CC
CD
CB
C
C3
AH
DVI
MDR
AN
SSB-7365A
SSB-7366A
SSB-7367A
IC801
IC805
IC807
IC808
IC501
IC602
IC301
A
B
C
D
E
F
G
H

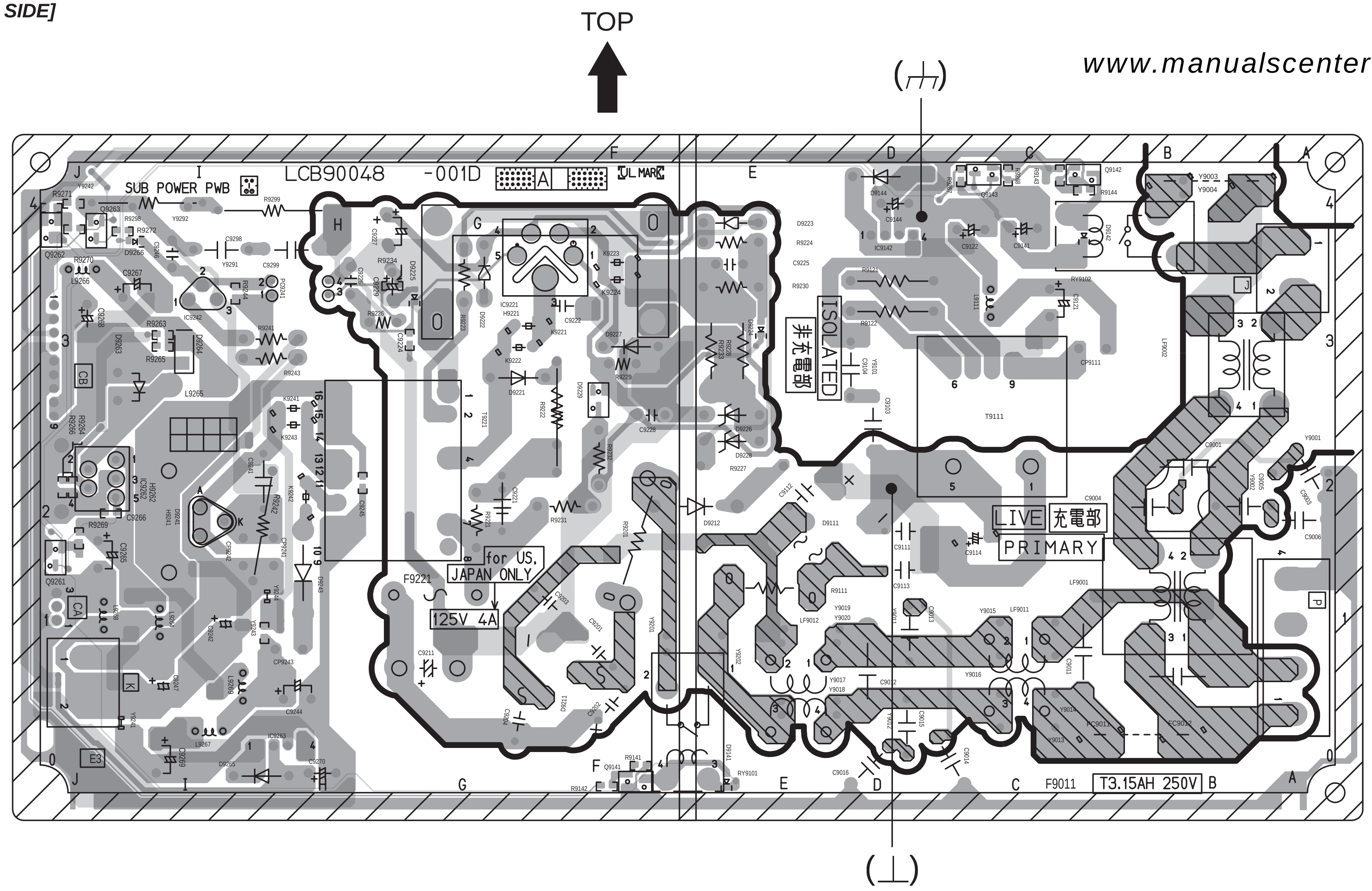
PDP POWER PWB PATTERN [SOLDER SIDE]


TOP
PANEL POWER PWB
LCB10211 -001C
ISOLATED
LIVE
充電部
非充電部
5A
250V
CP101
T601
T602
T701
T501
(⊥)
(⏚)

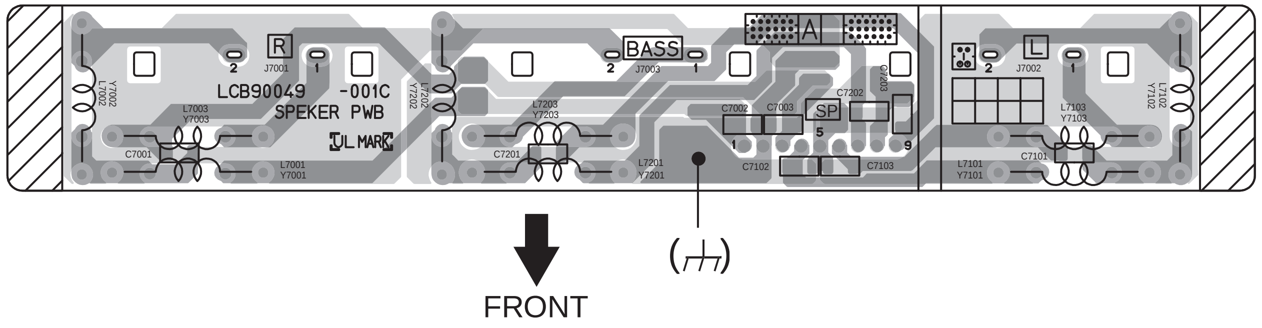
PDP POWER PWB PATTERN [PARTS SIDE]


(⊥)
TOP
(⏊⏊)
CP101
5A 250V
Littelfuse's
LIVE
ISOLATED
170V ADJ
60V ADJ
5V ADJ
SSB-9065A
SSB-9066A
SSB-9067A
PANEL POWER PB ASS'Y
CA10211
FLOW
280X244
AU
C4
AT
AV
J

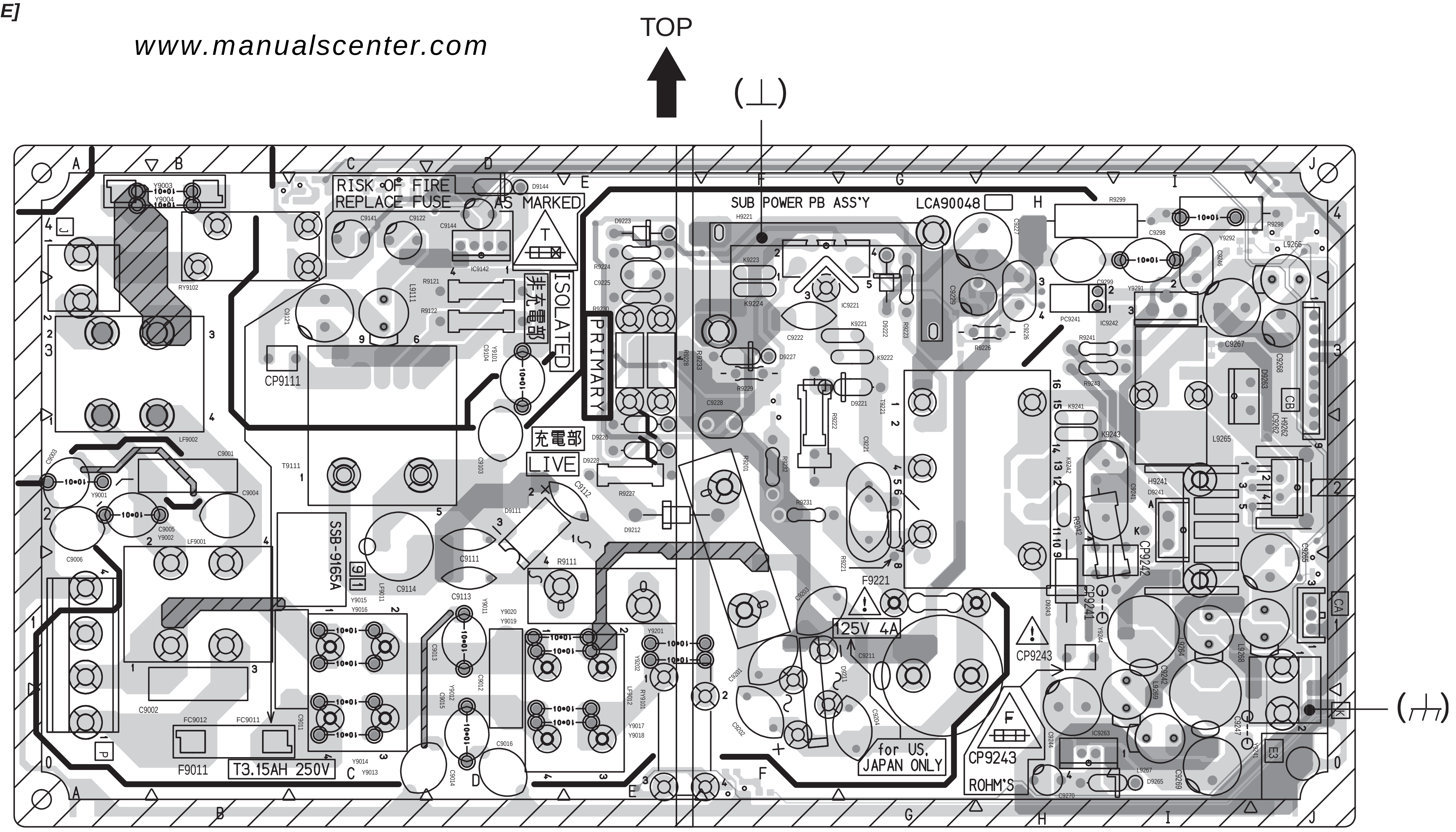
SYSTEM POWER PATTERN [SOLDER SIDE]


TOP
LCB90048 -001D
SUB POWER PWB
A
UL MARK
ISOLATED
非充電部
LIVE 充電部
PRIMARY
for US, JAPAN ONLY
125V 4A
F9221
T3.15AH 250V
F9011
T9111
H
G
J
P
CB
CA
E3
A B C D E F G I J
0 1 2 3 4
(⏊)

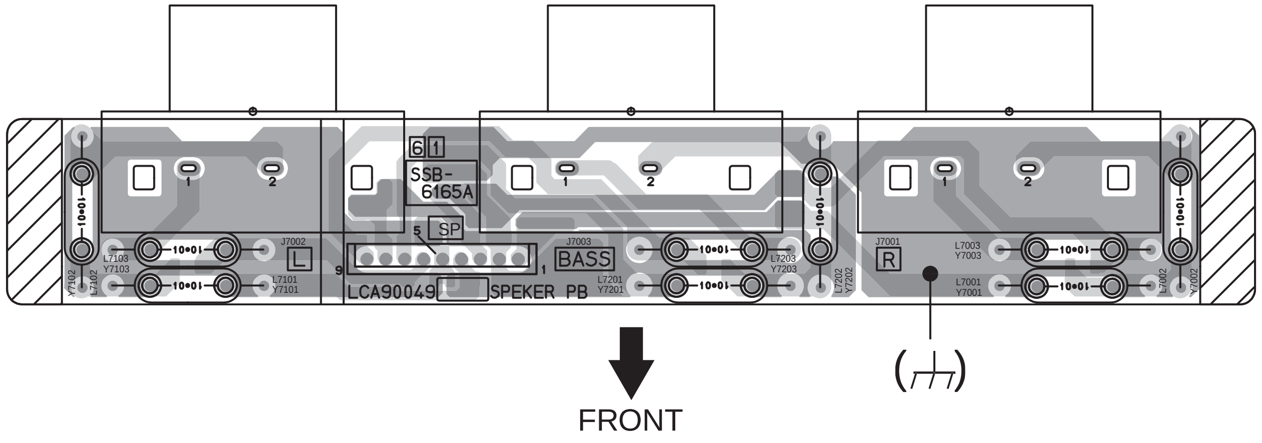
SPEAKER TERMINAL PWB PATTERN [SOLDER SIDE]


LCB90049 -001C
SPEKER PWB
UL MARK
R
L
BASS
SP
A
J7001
J7002
J7003
C7001
C7002
C7003
C7101
C7102
C7103
C7201
C7202
L7001
L7002
L7003
L7101
L7102
L7103
L7201
L7202
L7203
Y7001
Y7002
Y7003
Y7101
Y7102
Y7103
Y7201
Y7202
Y7203
FRONT

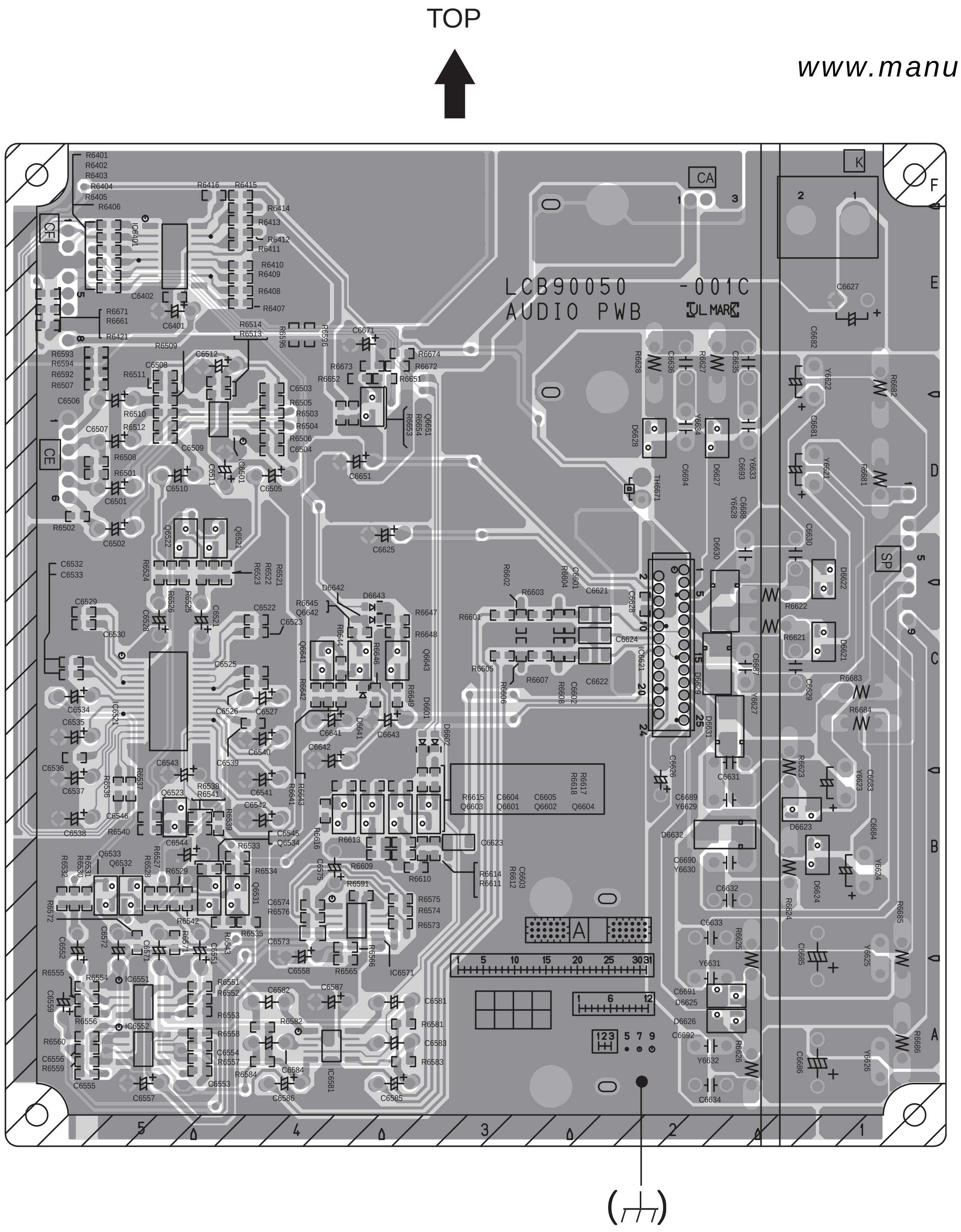
SYSTEM POWER PATTERN [PARTS SIDE]


TOP
(⊥)
RISK OF FIRE
REPLACE FUSE AS MARKED
ISOLATED
PRIMARY
非充電部
充電部
LIVE
SUB POWER PB ASS'Y
LCA90048
SSB-9165A
9|1
CP9111
T9111
LF9001
LF9002
F9011
T3.15AH 250V
FC9012
FC9011
F9221
125V 4A
CP9243
CP9242
CP9241
for US,
JAPAN ONLY
ROHM'S
IC9221
IC9242
IC9263
L9265
L9266
CB
CA
E3
(⏊⏊)
A
B
C
D
E
F
G
H
I
J

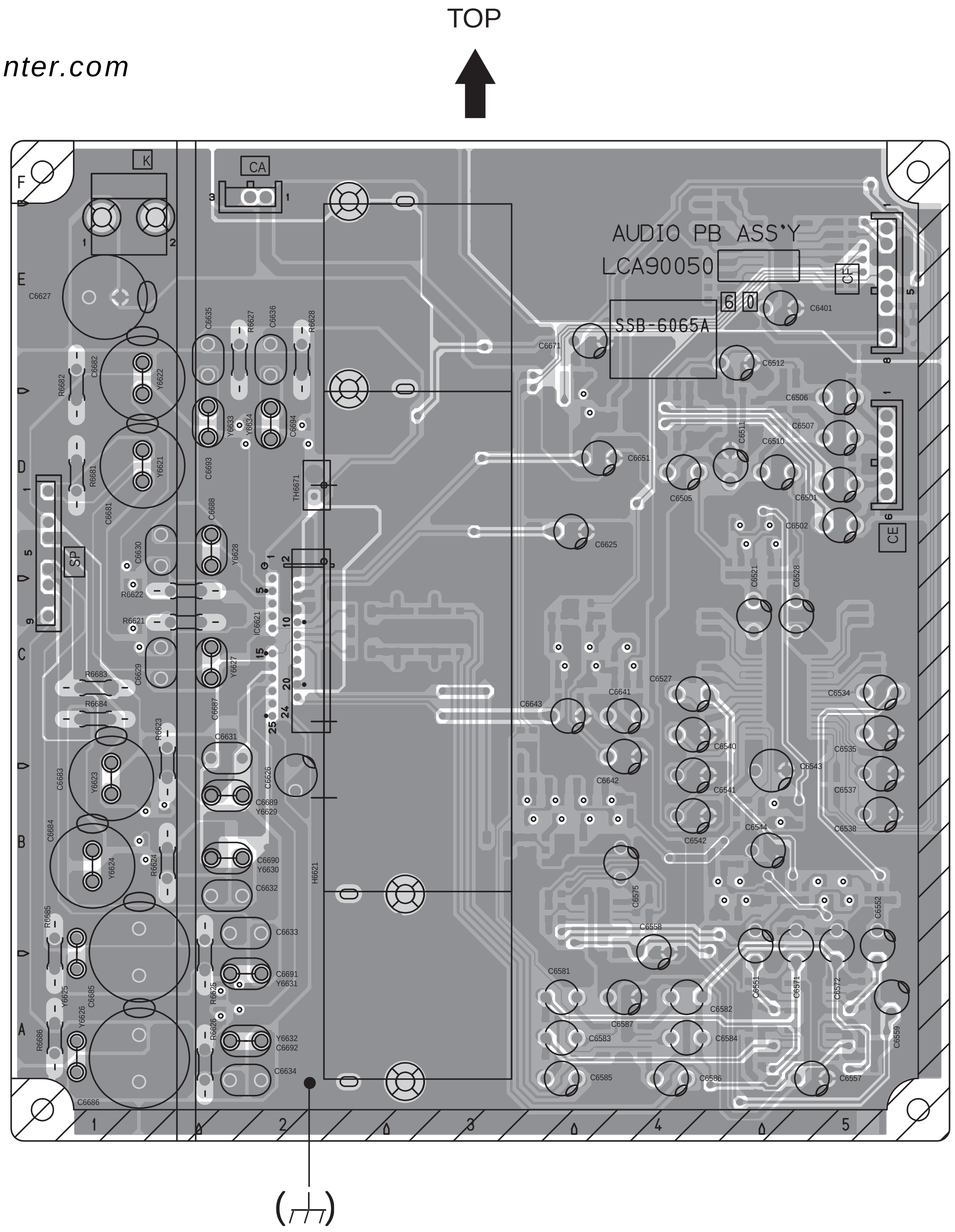
SPEAKER TERMINAL PWB PATTERN [PARTS SIDE]


6|1
SSB-
6165A
SP
L
BASS
R
LCA90049
SPEKER PB
J7002
J7003
J7001
L7103
Y7103
L7101
Y7101
L7203
Y7203
L7201
Y7201
L7003
Y7003
L7001
Y7001
(⏊⏊)
FRONT

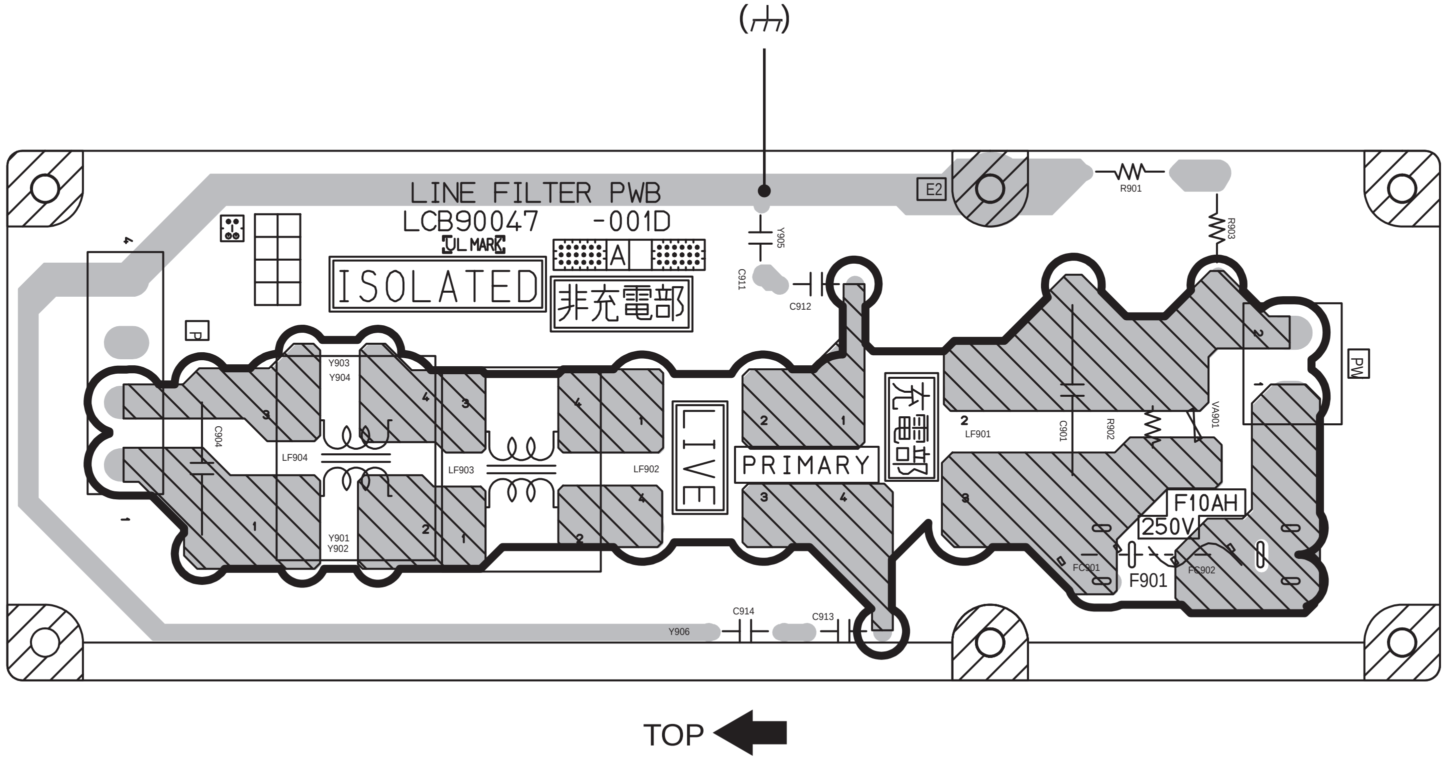
AUIDO PWB PATTERN [SOLDER SIDE]


TOP
LCB90050 -001C
AUDIO PWB
UL MARK
CA
K
CF
CE
SP
F
E
D
C
B
A
5
4
3
2
1

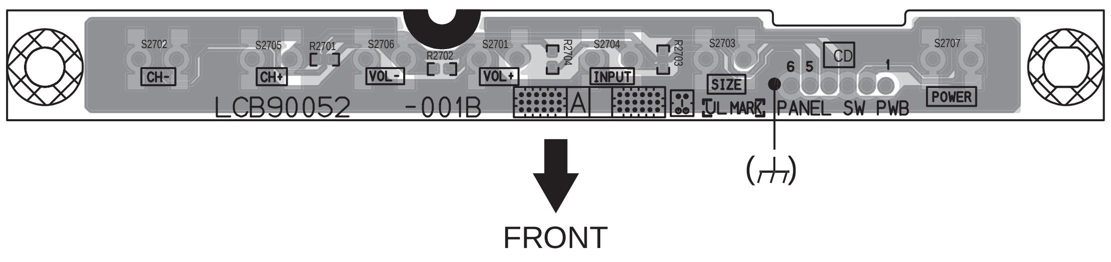
AUIDO PWB PATTERN [PARTS SIDE]


TOP
AUDIO PB ASS'Y
LCA90050
SSB-6065A
CA
K
CF
CE
SP
F
E
D
C
B
A
1
2
3
4
5

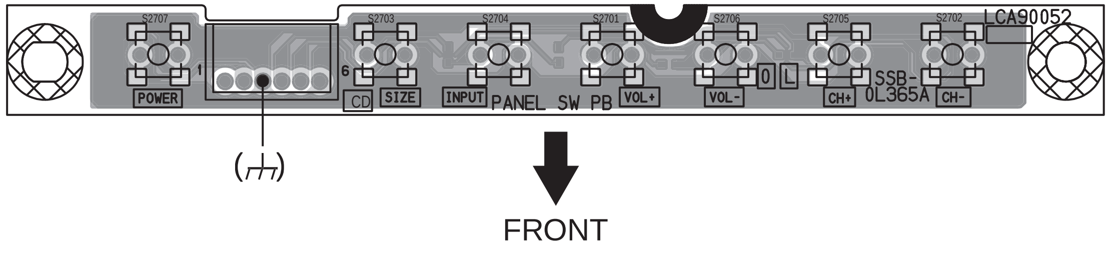
LINE FILTER PWB PATTERN


LINE FILTER PWB
LCB90047 -001D
UL MARK
ISOLATED
非充電部
LIVE
PRIMARY
充電部
E2
R901
R903
Y905
C911
C912
C904
LF904
LF903
LF902
LF901
Y903
Y904
Y901
Y902
C901
R902
VA901
F10AH
250V
F901
FC901
FC902
PW
C914
C913
Y906
TOP

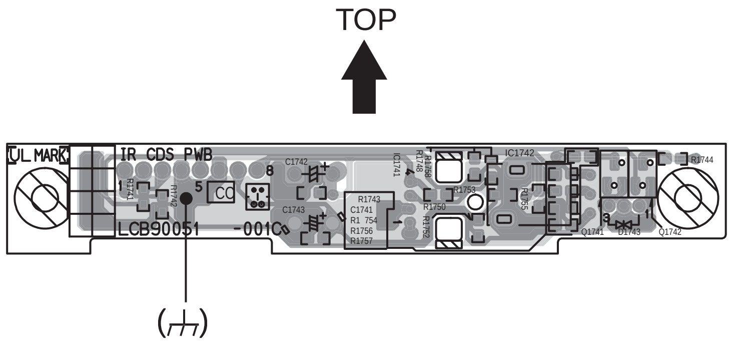
DISPLAY SWITCH PWB PATTERN [SOLDER SIDE]


S2702
S2705
R2701
S2706
R2702
S2701
R2704
S2704
R2703
S2703
S2707
CH-
CH+
VOL-
VOL+
INPUT
SIZE
POWER
CD
LCB90052 -001B
UL MARK
PANEL SW PWB
FRONT

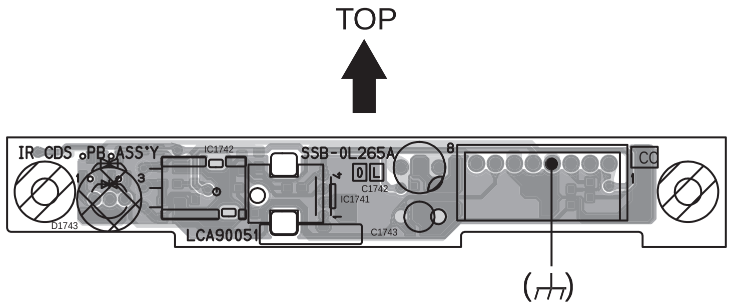
DISPLAY SWITCH PWB PATTERN [PARTS SIDE]


S2707
S2703
S2704
S2701
S2706
S2705
S2702
LCA90052
POWER
CD
SIZE
INPUT
PANEL SW PB
VOL+
VOL-
CH+
CH-
SSB-0L365A
FRONT

DISPLAY LED PWB PATTERN [SOLDER SIDE]


TOP
UL MARK
IR CDS PWB
LCB90051 -001C
CD
IC1742
C1742
R1743
C1741
R1756
R1757
C1743
Q1741
D1743
Q1742

DISPLAY LED PWB PATTERN [PARTS SIDE]


TOP
IR CDS PB ASS'Y
IC1742
SSB-0L265A
0L
C1742
IC1741
C1743
D1743
LCA90051
CD

VOLTAGE CHART [RECEIVER UNIT]

Notes : Mark ✻ expresses the portion into which a voltage value is changed.

<MAIN PWB>

PIN NO.	VOLTAGE (V)
IC201	
1	0.3
2	0.2
3	0
4	0.2
5	0
6	0.5
7	5.2
8	9.2
9	1.3
10	0
11	0
12	0
13	0.3
14	0
15	0.3
16	4.5
17	4.5
18	0
19	2.1
20	5.2
21	2.1
22	0.2
23	0.2
24	0.2
IC202	
1	0.3
2	0.3
3	0.2
4	0
5	0.3
6	0.3
7	0.2
8	3.2
IC402	
1	3.9
2	0
3	0
4	0
5	0
6	3.3
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	3.3
IC701	
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	0
8	3.2
IC703	
1	3.2
2	0
3	4.9
4	4.9
IC706	
1	0
2	0
3	0
4	3.2
5	4.1
6	0
7	0
8	0
9	0
10	5.0
11	0
12	5.0
13	4.0
14	4.5
15	4.7
16	5.0
IC902	
1	20.7
2	9.3
3	0
4	9.1
5	2.4
IC903	
1	20.7
2	5.2
3	0
4	4.9
5	2.3
IC904	
1	20.6
2	3.4
3	0
4	3.3
5	2.4
IC905	
1	3.3
2	3.3

PIN NO.	VOLTAGE (V)
3	2.6
4	1.3
5	0
IC908	
1	5.0
2	3.5
3	0
4	2.6
Q001	
E	2.2
C	9.2
B	2.8
Q101	
E	3.8
C	9.2
B	4.4
Q102	
E	3.7
C	9.2
B	4.4
Q103	
E	3.6
C	9.2
B	4.3
Q111	
E	3.6
C	9.2
B	4.3
Q112	
E	3.6
C	9.2
B	4.3
Q113	
E	3.6
C	9.2
B	4.3
Q620	
E	2.3
C	-0.1
B	1.7
TU001	
1	2.2
2	4.0
3	0
4	4.5
5	4.6
6	0
7	4.9
8	0
9	33.0
10	0
11	0
12	00
13	0
14	0
15	5.0
16	1.5
17	2.1
18	2.3
19	0
20	0
21	0
22	2.5
CN001	
1	32.8
2	0
3	0
4	0
5	0
6	37.8
7	37.8
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	4.8
CN002	
1	0
2	0
3	0
4	5.0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	20.7
14	20.7
15	20.7
16	20.8
CN004	
1	0
2	0
3	2.7

PIN NO.	VOLTAGE (V)
4	2.7
5	0
6	0
7	0
8	0
9	0
10	0
11	3.2
12	0
13	0
14	4.8
15	4.8
16	0
17	0
18	3.2
19	3.2
20	4.5
21	5.6
22	0
23	4.7
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	2.1
39	0
40	4.5
41	0
42	2.9
43	2.3
44	1.7
45	0
46	0
47	1.1
48	0
49	0
50	0
CN005	
1	0
2	2.6
3	0
4	9.2
5	3.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	4.5
15	4.5
16	0
17	3.5
18	3.3
19	3.2
20	0
21	5.0
22	5.0
23	0
24	0.2
25	0
26	3.6
27	3.6
28	0
29	0.2
30	3.8
31	3.8
32	0
33	0
34	1.8
35	1.6
36	0
37	0.3
38	1.8
39	1.6
40	1.7
41	0.2
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	3.4
50	4.4
51	3.8
52	4.5
53	0

PIN NO.	VOLTAGE (V)
54	0.5
55	0
56	0
57	0
58	0
59	0
60	1.8
61	0.1
62	0
63	0
64	1.8
65	0.1
66	0
67	0
68	3.7
69	0.1
70	0
71	0
72	3.6
73	0.1
74	0
75	0
76	5.0
77	0
78	0
79	3.2
80	3.5
81	0
82	4.4
83	4.5
84	0
85	0
86	0.2
87	0
88	0
89	0
90	0
91	0
92	4.0
93	9.2
94	0
95	2.6
96	0
CN006	
1	0
2	0
3	33.0
4	5.0
5	5.0
6	3.0
7	0
8	2.2
9	0
10	0
11	2.1
12	0
13	1.5
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	4.7
22	4.6
23	4.6
24	9.2
25	9.2
CN007	
1	4.5
2	0
3	3.8
4	0
5	0
6	0
7	0
8	0
9	4.4
10	0
11	3.4
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	1.0
21	0
22	0.8
23	0
24	0.7
25	0
26	0
27	0
28	0
29	0
30	0.2
31	0

PIN NO.	VOLTAGE (V)
32	0
33	0
34	-0.1
35	0
CN008	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	5.0
13	0
14	0
15	0
16	0
17	5.0
18	5.0
19	0
20	0
21	5.0
22	5.0
23	0
24	0
25	0
CN016	
1	0
2	3.3
3	0
4	0
5	3.3
6	2.8
CN018	
1	0
2	0
3	0
4	0
5	4.6
6	4.5
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	9.2
23	9.2
24	0
25	0

<AV SW PWB>

PIN NO.	VOLTAGE (V)
IC101	
1	0
2	4.6
3	4.1
4	4.6
5	4.6
6	6.9
7	0
8	4.1
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	4.6
19	0
20	6.9
21	0
22	4.0
23	4.6
24	4.4
25	4.6
26	4.6
27	0
28	0
29	4.6
30	4.1
31	4.6
32	0
33	4.6
34	4.7
35	0
36	4.6
37	4.6
38	4.6
39	3.9
40	4.6
41	4.3
42	9.3
43	4.6
44	3.7
45	4.6
46	3.9
47	4.5
48	0
49	4.7
50	4.4
51	4.6
52	4.6
53	4.3
54	4.6
55	3.9
56	3.9
57	0
58	4.4
59	4.6
60	4.1
61	4.6
62	0
63	4.3
64	4.6
IC501	
1	5.1
2	1.5
3	1.5
4	0
5	2.4
6	2.1
7	1.0
8	0
9	0
10	2.6
11	5.1
12	4.6
13	4.8
14	1.0
15	1.0
16	1.0
17	1.0
18	1.0
19	5.1
20	0
21	1.0
22	5.1
23	0
24	0
25	0
26	0.1
27	0.1
28	0
29	0
30	3.8
31	3.8
32	0
33	8.0
34	7.0
35	0

PIN NO.	VOLTAGE (V)
36	3.8
37	0
38	0
39	0
40	0
41	0
42	0
43	3.7
44	0
IC601	
1	4.6
2	4.6
3	4.6
4	0
5	4.6
6	4.6
7	4.6
8	9.2
IC602	
1	4.6
2	4.6
3	4.6
4	0
5	4.6
6	4.6
7	4.7
8	9.2
IC603	
1	4.6
2	4.6
3	4.6
4	0
5	4.6
6	4.6
7	4.6
8	9.3
IC662	
1	4.6
2	4.6
3	4.6
4	0
5	4.6
6	4.6
7	4.6
8	9.2
IC901	
1	9.2
2	8.0
3	0
Q101	
E	3.3
C	9.3
B	4.0
Q102	
E	3.0
C	9.2
B	3.7
Q103	
E	0.3
C	-0.3
B	0
Q104	
E	0
C	0
B	-0.3
Q105	
E	0
C	0
B	-0.4
Q106	
E	3.6
C	9.2
B	4.3
Q131	
E	2.2
C	0
B	1.5
Q136	
E	0
C	0
B	-0.2
Q137	
E	0
C	0
B	-0.3
Q138	
E	0.3
C	-0.3
B	0
Q201	
E	0
C	6.8
B	0
Q202	
E	0
C	6.9
B	0
Q211	
E	0
C	6.9
B	0

PIN NO.	VOLTAGE (V)
Q212	
E	0
C	6.9
B	0
Q221	
E	0
C	6.9
B	0
Q222	
E	0
C	6.9
B	0
Q231	
E	0.7
C	4.5
B	0
Q232	
E	4.7
C	4.3
B	0
Q233	
E	0
C	2.3
B	0.3
Q234	
E	0
C	0
B	2.3
Q502	
E	0
C	9.2
B	0
Q503	
E	0
C	5.1
B	0
Q601	
E	0
C	0
B	-0.2
Q602	
E	0
C	0
B	-0.1
Q603	
E	0.3
C	-0.2
B	0
Q604	
E	0
C	0
B	-0.3
Q605	
E	0
C	0
B	-0.2
Q606	
E	0.3
C	-0.2
B	0
CN006	
1	0
2	0
3	33.0
4	5.0
5	5.0
6	3.0
7	0
8	2.2
9	0
10	0
11	2.1
12	0
13	1.5
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	4.7
22	4.6
23	4.6
24	9.2
25	9.2
CN007	
1	4.5
2	0
3	3.8
4	0
5	0
6	0
7	0
8	0
9	4.4
10	0
11	3.4
12	0
13	0
14	0

PIN NO.	VOLTAGE (V)
15	0
16	0
17	0
18	0
19	0
20	1.0
21	0
22	0.8
23	0
24	0.7
25	0
26	0
27	0
28	0
29	0
30	0.2
31	0
32	0
33	0
34	-0.1
35	0
CNS020	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0.2
20	4.3
21	0
22	0
23	0
24	0
25	1.0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
CNS00A	
1	0
2	9.2
3	0
4	4.6
5	4.7
6	0
7	2.2
8	2.1
9	2.4
10	33.0
CN00F	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	8.2
CN00K	
1	0
2	0
3	0
4	0
5	0
6	0
CNS00G	
1	0
2	0
3	0

<AV JACK PWB>

PIN NO.	VOLTAGE (V)
CNJ020	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0.2
20	4.3
21	0
22	0
23	0
24	0
25	1.0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
CNJ00G	
1	0
2	0
3	0

<SUB TUNER PWB>

PIN NO.	VOLTAGE (V)
TU002	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	5.0
13	0
14	0
15	0
16	0
17	5.0
18	5.0
19	0
20	0
21	5.0
22	5.0
23	0
24	0
25	0
CN018	
1	0
2	0
3	0
4	0
5	4.6
6	4.5
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	9.2
23	9.2
24	0
25	0
CNF00A	
1	0
2	9.2
3	0
4	4.6
5	4.7
6	0
7	2.2
8	2.1
9	2.4
10	33.0

<DIST RELAY PWB>

PIN NO.	VOLTAGE (V)
CN005	
1	0
2	2.6
3	0
4	9.2
5	3.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	4.5
15	4.5
16	0
17	3.5
18	3.3
19	3.2
20	0
21	5.0
22	5.0
23	0
24	0.2
25	0
26	3.6
27	3.6
28	0
29	0.2
30	3.8
31	3.8
32	0
33	0
34	1.8
35	1.6
36	0
37	0.3
38	1.8
39	1.6
40	1.7
41	0.2
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	3.4
50	4.4
51	3.8
52	4.5
53	0
54	0.5
55	0
56	0
57	0
58	0
59	0
60	1.8
61	0.1
62	0
63	0
64	1.8
65	0.1
66	0
67	0
68	3.7
69	0.1
70	0
71	0
72	3.6
73	0.1
74	0
75	0
76	5.0
77	0
78	0
79	3.2
80	3.5
81	0
82	4.4
83	4.5
84	0
85	0
86	0.2
87	0
88	0
89	0
90	0
91	0
92	4.0
93	9.2
94	0
95	2.6
96	0
CN015	
1	0
2	2.6
3	0

PIN NO.	VOLTAGE (V)
4	9.2
5	3.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	4.7
15	4.6
16	0
17	3.5
18	3.2
19	3.2
20	0
21	5.0
22	5.0
23	0
24	0.2
25	0
26	3.6
27	3.7
28	0
29	0.2
30	3.8
31	3.8
32	0
33	0
34	1.9
35	1.7
36	0
37	0.4
38	1.8
39	1.7
40	1.8
41	0.2
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	3.5
50	4.4
51	3.9
52	4.5
53	0
54	1.9
55	0
56	0
57	0
58	0
59	0
60	1.9
61	0.2
62	0
63	0
64	1.9
65	0.2
66	0
67	0
68	3.7
69	0.2
70	0
71	0
72	3.7
73	0.2
74	0
75	0
76	5.0
77	0
78	0
79	3.2
80	0
81	0
82	4.6
83	0
84	0
85	0
86	0
87	0
88	0
89	0
90	0
91	0
92	4.0
93	9.2
94	0
95	2.6
96	0

<DIST PWB>

PIN NO.	VOLTAGE (V)
IC001	
1	1.0
2	1.4
3	1.0
4	1.4
5	2.0
6	2.0
7	2.0
8	0.7
9	0.7
10	3.2
11	2.7
12	1.7
13	2.2
14	4.6
15	4.7
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	3.5
24	2.8
25	2.1
26	3.5
27	2.8
28	1.1
29	0
30	2.1
31	0
32	2.4
33	1.0
34	1.3
35	1.7
36	0.9
37	3.5
38	2.4
39	1.1
40	1.7
41	1.7
42	1.7
43	0
44	3.5
45	0
46	0
47	0
48	3.2
49	0.2
50	0
51	0
52	2.8
53	3.2
54	1.4
55	0
56	1.6
57	0
58	0
59	1.5
60	1.7
61	1.8
62	1.5
63	2.0
64	1.8
65	1.7
66	1.6
67	3.2
68	0
69	1.2
70	1.2
71	1.4
72	3.0
73	2.0
74	2.0
75	1.5
76	1.6
77	1.5
78	0.2
79	0
80	0
81	1.5
82	1.9
83	2.5
84	3.2
85	5.0
86	2.0
87	2.2
88	2.2
89	2.4
90	0
91	1.8
92	2.0
93	2.1
94	3.2
95	5.0
96	1.7
97	1.5
98	2.4
99	1.0
100	0

PIN NO.	VOLTAGE (V)
IC002	
1	0.2
2	0.2
3	0.1
4	0
5	0
6	0.1
7	0.2
8	3.2
IC003	
1	0
2	3.2
3	0
4	0
5	3.2
6	3.2
7	3.2
8	3.3
9	3.3
10	0
11	3.3
12	3.3
13	3.3
14	3.3
15	3.3
16	3.3
17	3.3
18	3.3
19	3.3
20	0
21	0
22	3.3
23	3.2
24	0
25	0
26	3.5
27	3.5
28	0
29	0
30	0.2
31	0
32	0
33	3.5
34	3.5
35	3.5
36	0
37	0.2
38	0.2
39	3.5
40	0
41	0
42	0
43	0
44	0
45	3.5
46	3.5
47	0
48	0
49	0.3
50	0
51	3.5
52	3.5
53	0
54	0
55	3.5
56	3.2
57	3.2
58	1.2
59	3.5
60	0
61	0
62	3.5
63	0
64	0.3
65	0.2
66	0
67	0.3
68	0
69	3.3
70	0
71	3.3
72	3.3
73	3.2
74	3.3
75	0
76	3.2
77	3.2
78	3.3
79	3.2
80	0
IC004	
1	0.2
2	0
3	0
4	0
5	0
6	0
7	0.1
8	3.2
IC005	
1	5.0

PIN NO.	VOLTAGE (V)
2	2.1
3	2.6
4	2.7
5	3.0
6	5.0
7	2.2
8	2.5
9	2.4
10	2.1
11	NC
12	NC
13	0
14	0
15	1.9
16	1.3
17	0
18	0.9
19	0.9
20	1.5
21	1.4
22	5.0
23	0
24	1.6
25	1.4
26	1.5
27	1.3
28	1.3
29	0
30	2.5
31	2.5
32	0
33	NC
34	NC
35	0
36	1.9
37	1.9
38	2.1
39	0
40	4.4
41	2.7
42	2.0
43	2.7
44	0
IC103	
1	0
2	1.2
3	3.2
4	0
5	0
6	0
7	1.2
8	1.2
9	0
10	0
11	3.2
12	3.2
13	0
14	0
15	1.2
16	3.2
17	3.2
18	3.2
19	3.2
20	3.2
21	3.2
22	3.2
23	3.2
24	3.2
25	3.2
26	3.2
27	0
28	3.2
29	0
30	1.0
31	3.2
32	0
33	3.2
34	0
35	3.2
36	1.0
37	3.2
38	3.2
39	0
40	0
41	0.9
42	3.2
43	1.0
44	3.2
45	3.2
46	0
47	0
48	3.2
IC104	
1	0
2	0
3	3.3
4	0
5	0
6	4.0
7	0
8	0

PIN NO.	VOLTAGE (V)
IC105	
1	3.2
2	3.9
3	0
4	3.3
5	3.2
IC106	
1	3.2
2	3.2
3	0
4	0
IC107	
1	2.6
2	2.5
3	1.4
4	1.2
5	0
IC108	
1	2.6
2	2.5
3	1.9
4	1.2
5	0
IC206	
1	3.4
2	0
3	0
4	3.4
5	2.4
IC207	
1	3.2
2	3.1
3	3.2
4	3.0
5	0.4
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	3.1
15	3.1
16	3.2
IC210	
1	3.5
2	0
3	1.4
4	0.3
5	1.6
6	0
7	0
8	0
9	0
10	0
11	0
12	2.2
13	2.7
14	3.5
IC251	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	3.3
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	2.5
32	2.5
33	0
34	0
35	0
36	0
37	0
38	3.3
39	0

PIN NO.	VOLTAGE (V)
40	0
41	0
42	0
43	0
44	0
45	0
46	2.5
47	1.2
48	1.2
49	0
50	1.4
51	0
52	1.3
53	2.5
54	0
55	0
56	1.3
57	3.3
58	2.6
59	4.6
60	4.7
61	0
62	0
63	3.2
64	2.5
65	0
66	0
67	0
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	4.7
77	0
78	0
79	0
80	0
81	2.5
82	1.1
83	1.4
84	1.1
85	1.0
86	0
87	0
88	0.8
89	0.8
90	0.7
91	1.2
92	2.5
93	2.5
94	0
95	0
96	1.1
97	0
98	0
99	0
100	2.5
IC253	
1	4.9
2	0
3	0
4	4.9
5	2.5
IC461	
1	0
2	3.2
3	2.6
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	3.2
23	2.5
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0

PIN NO.	VOLTAGE (V)
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	2.6
42	3.2
43	1.3
44	0
45	0
46	0
47	0
48	3.2
49	0
50	3.2
51	0
52	0.3
53	0
54	3.2
55	0
56	0
57	0
58	0
59	0
60	3.3
61	0
62	2.5
63	3.3
64	0
65	0
66	0
67	0
68	0
69	0
70	0
71	3.2
72	0
73	0
74	3.2
75	0
76	3.3
77	3.3
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	0
89	0
90	3.2
91	2.5
92	0
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
101	3.2
102	3.3
103	3.2
104	3.2
105	0
106	3.3
107	2.5
108	1.6
109	0
110	3.2
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	3.3
124	2.5
125	0
126	0
127	0
128	0
129	0
130	0
131	0
132	0
133	0
134	0

PIN NO.	VOLTAGE (V)
135	0
136	0
137	0
138	3.3
139	2.5
140	3.3
141	0
142	0
143	0
144	0
145	0
146	0
147	0
148	0
149	0
150	3.2
151	2.5
152	0
153	0
154	3.2
155	0.4
156	0
157	3.2
158	2.5
159	0
160	0
161	0
162	0
163	3.2
164	0
165	0
166	3.2
167	0
168	0
169	0
170	3.2
171	2.5
172	0
173	0
174	0
175	0
176	0
177	0
178	0
179	0
180	0
181	3.2
182	2.5
183	0
184	0
185	0
186	0
187	0
188	0
189	3.3
190	3.3
191	0
192	0
193	0
194	0
195	0
196	0
197	0
198	0
199	0
200	0
201	1.7
202	0
203	0
204	0
205	0
206	0
207	0
208	3.3
209	3.3
210	0
211	3.3
212	0
213	0
214	0
215	0
216	0
217	0
218	0
219	3.3
220	3.3
221	0
222	3.3
223	2.6
224	0
225	0
226	0
227	0
228	0
229	0
230	0
231	0
232	0
233	0
234	0
235	0

PIN NO.	VOLTAGE (V)
236	0
237	0
238	3.3
239	2.5
240	0
241	0
242	0
243	0
244	0
245	0
246	0
247	0
248	1.4
249	0.1
250	0
251	3.3
252	2.6
253	0
254	0
255	0
256	0
IC464	
1	0
2	0
3	0
4	0
5	0
6	0
7	0.4
8	0.5
9	0.5
10	0
11	1.3
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	3.2
IC465	
1	0
2	1.3
3	0
4	1.6
5	3.2
IC501	
1	3.1
2	0
3	3.2
4	3.2
5	0
6	0.3
7	0.3
8	0.3
9	0.3
10	0.3
11	0.3
12	0.3
13	0.3
14	0.3
15	0.3
16	0.3
17	0.3
18	3.5
19	0
20	1.6
21	0
22	1.6
23	3.5
24	0
25	3.5
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	0
50	3.5
51	0
52	1.5

PIN NO.	VOLTAGE (V)
53	0
54	0
55	0
56	1.4
57	3.5
58	0
59	0.3
60	0
61	0.3
62	0.3
63	0.3
64	0.3
65	0.2
66	0.3
67	0.3
68	0.3
69	0
70	0.3
71	0
72	1.7
73	0
74	0
75	3.4
76	3.2
77	0
78	0
79	1.4
80	0.3
81	1.5
82	0
83	2.1
84	0
85	0
86	0
87	0
88	1.5
89	1.4
90	0
91	0
92	3.5
93	0
94	0
95	1.5
96	1.4
97	2.1
98	0
99	0
100	0
IC602	
1	0
2	5.9
3	6.2
4	2.9
5	5.6
6	-0.5
7	-5.6
8	-5.0
9	3.2
10	0
11	3.2
12	3.3
13	-5.5
14	0
15	0
16	3.3
IC701	
1	2.1
2	1.9
3	0.9
4	0.1
5	2.1
6	4.9
7	2.5
8	0
9	0.3
10	0.7
11	2.3
12	5.0
13	4.7
14	4.6
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.5
22	1.8
23	1.8
24	0
25	2.5
26	2.5
27	2.4
28	0
29	0
30	0
31	0
32	4.9
33	2.1
34	2.3
35	2.4

PIN NO.	VOLTAGE (V)
36	0
37	5.0
38	3.9
39	1.7
40	3.4
41	2.1
42	0
43	1.7
44	2.1
45	4.9
46	1.9
47	3.8
48	1.7
IC702	
1	1.2
2	3.1
3	4.9
4	2.5
5	0
6	1.8
7	2.1
8	0
9	0
10	0
11	4.8
12	0
13	4.9
14	0
15	4.6
16	4.7
17	0
18	0
19	2.4
20	5.0
21	0
22	3.0
23	3.0
24	3.4
25	2.7
26	0
27	3.0
28	1.6
IC703	
1	1.3
2	2.6
3	1.5
4	2.7
5	2.8
6	0
7	0
8	0
9	0
10	0
11	0
12	0.4
13	0.4
14	0.5
15	2.6
16	9.2
IC704	
1	9.2
2	0
3	5.1
IC801	
1	2.1
2	1.6
3	0.9
4	0.1
5	2.0
6	5.0
7	2.5
8	0
9	0.3
10	0.7
11	2.3
12	5.0
13	4.6
14	4.6
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.4
22	1.8
23	1.8
24	0
25	2.5
26	2.5
27	2.5
28	0
29	0
30	0
31	0
32	5.0
33	2.2
34	2.4
35	2.5
36	0
37	5.0

PIN NO.	VOLTAGE (V)
38	4.0
39	1.7
40	3.0
41	2.0
42	4.6
43	1.7
44	2.1
45	5.0
46	2.0
47	3.7
48	1.7
IC802	
1	1.2
2	3.1
3	4.9
4	2.5
5	0
6	1.8
7	2.3
8	0
9	0
10	0
11	4.9
12	0
13	4.9
14	0
15	0
16	4.7
17	0
18	0
19	2.4
20	4.9
21	0
22	2.8
23	2.8
24	3.3
25	2.9
26	0
27	3.0
28	1.5
IC803	
1	9.2
2	0
3	5.0
IC901	
1	3.2
2	0
3	3.2
4	3.2
5	3.2
6	0
7	3.2
8	3.2
9	1.9
10	0
11	3.2
12	3.2
13	3.2
14	3.2
15	3.2
16	0
17	0
18	3.3
19	2.7
20	0
21	3.0
22	3.0
23	3.2
24	3.0
25	3.0
26	0
27	3.0
28	3.0
29	3.2
30	3.0
31	3.0
32	0
33	3.2
34	0
35	0
36	2.8
37	0.5
38	0.4
39	0.4
40	0.6
41	0.7
42	0
43	1.3
44	0.6
45	1.8
46	1.2
47	0
48	0
49	3.3
50	0
51	2.3
52	1.0
53	0.9
54	0
55	1.2
56	0

PIN NO.	VOLTAGE (V)
57	1.7
58	1.3
59	1.1.
60	1.1
61	1.0
62	1.2
63	0
64	0
IC903	
1	3.2
2	3.2
3	3.2
4	0
IC904	
1	5.0
2	0
3	0
4	5.0
5	3.3
Q101	
E	5.7
C	9.2
B	6.4
Q102	
E	4.2
C	9.2
B	4.9
Q103	
E	2.2
C	0
B	2.1
Q104	
E	2.9
C	4.4
B	3.4
Q105	
E	5.0
C	0.2
B	4.4
Q106	
E	0
C	4.7
B	0.1
Q107	
E	0
C	0
B	3.0
Q401	
E	1.6
C	0
B	1.0
Q402	
E	1.1
C	8.5
B	1.6
Q403	
E	9.1
C	1.3
B	8.6
Q431	
E	2.0
C	0
B	1.4
Q432	
E	1.4
C	8.6
B	2.0
Q433	
E	9.2
C	1.5
B	8.6
Q434	
E	1.6
C	0
B	1.3
Q501	
E	1.1
C	0
B	0.3
Q502	
E	1.1
C	0
B	0.3
Q503	
E	1.1
C	0
B	0.3
Q504	
E	0
C	0
B	0.6
Q601	
E	0
C	0
B	0.7
Q701	
E	2.8
C	0
B	2.2
Q702	
E	2.2

PIN NO.	VOLTAGE (V)
C	0
B	1.7
Q703	
E	1.5
C	0
B	0.9
Q704	
E	1.7
C	4.5
B	2.3
Q705	
E	5.1
C	2.0
B	4.5
Q707	
E	2.6
C	0
B	2.0
Q753	
E	2.6
C	9.2
B	3.3
Q754	
E	2.0
C	9.2
B	2.6
Q755	
E	1.5
C	8.6
B	2.1
Q756	
E	9.2
C	2.7
B	8.6
Q758	
E	2.3
C	9.2
B	3.0
Q759	
E	2.2
C	8.6
B	2.8
Q760	
E	9.2
C	2.8
B	8.6
Q762	
E	0.9
C	4.0
B	1.5
Q763	
E	3.3
C	4.9
B	4.0
Q764	
1	0.7
2	0
3	0
4	0.6
5	0
6	0
Q791	
E	2.1
C	9.2
B	2.7
Q792	
E	2.2
C	9.2
B	2.8
Q793	
E	0
C	0
B	3.0
Q801	
E	2.9
C	0
B	2.2
Q802	
E	2.3
C	0
B	1.7
Q853	
E	2.6
C	9.2
B	3.3
Q854	
E	1.9
C	9.2
B	2.5
Q855	
E	1.5
C	8.6
B	2.1
Q856	
E	9.2
C	2.7
B	8.6
Q858	
E	2.3
C	9.2
B	3.0

PIN NO.	VOLTAGE (V)
Q859	
E	1.8
C	8.6
B	2.4
Q860	
E	9.2
C	2.3
B	8.6
Q862	
E	0.9
C	4.0
B	1.5
Q863	
E	3.3
C	4.9
B	4.0
Q864	
1	0.3
2	0
3	0
4	0.6
5	0
6	0
Q903	
G	5.0
S	3.2
D	3.2
Q904	
G	5.0
S	3.2
D	3.2
QB001	
E	0
C	9.2
B	4.6
QB002	
E	1.7
C	8.6
B	2.4
QB003	
E	9.2
C	2.2
B	8.6
QB005	
E	3.8
C	9.2
B	4.5
QB006	
E	1.3
C	8.6
B	1.9
QB007	
E	9.2
C	1.7
B	8.6
QB009	
E	3.9
C	9.2
B	4.5
QB010	
E	1.3
C	8.6
B	1.9
QB011	
E	9.2
C	1.7
B	8.6
QB020	
E	3.2
C	4.7
B	3.2
QB021	
E	3.2
C	4.6
B	3.2
QB101	
E	3.0
C	9.2
B	3.6
QB102	
E	2.6
C	0
B	1.9
QB103	
E	3.0
C	9.2
B	3.7
QB104	
E	3.0
C	0
B	2.2
QB105	
E	2.9
C	9.2
B	3.7
QB106	
E	3.0
C	0
B	2.2
QB107	
1	0

PIN NO.	VOLTAGE (V)
2	0.5
3	0
4	0
5	0.5
6	0
QB108	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
QB109	
1	0
2	0.5
3	0
4	0
5	0.5
6	0
CN005	
1	0
2	2.6
3	0
4	9.2
5	3.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	4.5
15	4.5
16	0
17	3.5
18	3.3
19	3.2
20	0
21	5.0
22	5.0
23	0
24	0.2
25	0
26	3.6
27	3.6
28	0
29	0.2
30	3.8
31	3.8
32	0
33	0
34	1.8
35	1.6
36	0
37	0.3
38	1.8
39	1.6
40	1.7
41	0.2
42	0
43	0
44	0
45	0
46	0
47	0
48	0
49	3.4
50	4.4
51	3.8
52	4.5
53	0
54	0.5
55	0
56	0
57	0
58	0
59	0
60	1.8
61	0.1
62	0
63	0
64	1.8
65	0.1
66	0
67	0
68	3.7
69	0.1
70	0
71	0
72	3.6
73	0.1
74	0
75	0
76	5.0
77	0
78	0
79	3.2
80	3.5
81	0

PIN NO.	VOLTAGE (V)
82	4.4
83	4.5
84	0
85	0
86	0.2
87	0
88	0
89	0
90	0
91	0
92	4.0
93	9.2
94	0
95	2.6
96	0
CN0DVI	
1	3.0
2	3.0
3	0
4	0
5	0
6	0
7	5.0
8	0
9	3.0
10	3.0
11	0
12	0
13	0
14	5.0
15	0
16	3.3
17	3.0
18	3.0
19	0
20	0
21	0
22	0
23	3.0
24	3.0
CN0MDR	
1	0
2	0
3	0
4	0
5	0
6	0
7	3.3
8	2.4
9	2.4
10	0
11	4.9
12	0
13	0
14	0
15	0
16	0
17	-5.0
18	0
19	-5.5
20	0
21	0
22	0
23	0
24	0
25	0
26	0
CN00K	
1	0
2	0
3	0
4	0
5	0
6	0
CN0J1	
1	0.8
2	0.8
3	0.8
4	0.8
5	0
6	0
7	3.3
8	3.2
9	3.2
CN00L	
1	0.3
2	0.3
3	0.3
4	0
5	2.4
6	2.4
7	0.5
8	4.6
9	0
10	1.5
11	0
12	3.0
13	0
14	0
CN0L1	
1	3.2

PIN NO.	VOLTAGE (V)
2	3.2
3	3.2
4	3.2
5	3.2
6	0

<RECEIVER POWER PWB>

PIN NO.	VOLTAGE (V)
IC9901	
1	330.0
2	45.4
3	45.3
4	61.5
5	47.5
IC9931	
1	293.3
5	0
6	-0.6
7	-0.3
8	0
9	5.6
IC9932	
1	4.9
2	0
3	0
4	3.3
5	5.7
6	0
7	5.7
Q9971	
E	0
C	0.7
B	0
Q9972	
E	0
C	0
B	0.7
CN9001	
1	33.0
2	0
3	0
4	0
5	0
6	37.7
7	37.7
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	4.9
CN9002	
1	0
2	0
3	0
4	5.1
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	20.7
14	20.7
15	20.7
16	20.7
CN90PW	
1	147.2
2	147.2

<MI-COM INTERFACE PWB>

PIN NO.	VOLTAGE (V)
IC101	
1	2.5
2	1.1
3	0
4	0
5	0
6	4.9
7	0
8	0
9	2.4
10	2.4
11	0
12	0
13	0
14	4.9
Q101	
E	0
C	4.9
B	0
CN004	
1	0
2	0
3	2.7
4	2.7
5	0
6	0
7	0
8	0
9	0
10	0
11	3.3
12	0
13	0
14	4.9
15	4.9
16	0
17	0
18	3.3
19	3.3
20	4.6
21	4.6
22	0
23	4.7
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	2.1
39	0
40	4.6
41	0
42	2.9
43	2.4
44	1.7
45	0
46	0
47	1.1
48	0
49	0
50	0
CN014	
1	0
2	0
3	0.7
4	2.7
5	4.8
6	0
7	0
8	1.4
9	0
10	0
11	3.3
12	0
13	0
14	4.9
15	4.9
16	0
17	0
18	3.3
19	3.3
20	4.6
21	4.6
22	0
23	4.7
24	0
25	0
26	0
27	0
28	3.1
29	0
30	3.3

PIN NO.	VOLTAGE (V)
31	2.4
32	3.3
33	0.3
34	3.3
35	0.3
36	3.3
37	0.3
38	2.1
39	0
40	4.6
41	0.5
42	2.9
43	2.4
44	1.8
45	0
46	0
47	2.4
48	0
49	0
50	0
CN00L	
1	0.3
2	0.3
3	0.3
4	0
5	2.4
6	2.4
7	0.5
8	0
9	0
10	1.4
11	0
12	3.1
13	0
14	0
CN0L1	
1	3.2
2	3.2
3	3.2
4	3.2
5	3.2
6	0

<MI-COM PWB>

PIN NO.	VOLTAGE (V)
CN004	
1	0
2	0
3	2.7
4	2.7
5	0
6	0
7	0
8	0
9	0
10	0
11	3.2
12	0
13	0
14	4.8
15	4.8
16	0
17	0
18	3.2
19	3.2
20	4.5
21	5.6
22	0
23	4.7
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	2.1
39	0
40	4.5
41	0
42	2.9
43	2.3
44	1.7
45	0
46	0
47	1.1
48	0
49	0
50	0

<FRONT CONTROL PWB>

PIN NO.	VOLTAGE (V)
Q8801	
E	3.3
C	3.1
B	1.5
Q8802	
E	3.3
C	1.5
B	3.3
Q8803	
E	0
C	3.3
B	0
CN8016	
1	0
2	3.3
3	0
4	0
5	3.3
6	2.7
CN800B	
1	3.3
2	0
3	0
4	0
5	0
CN800F	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	8.1

VOLTAGE CHART [DISPLAY UNIT]

Notes : Mark ✻ expresses the portion into which a voltage value is changed.

<DISPLAY INTERFACE PWB>

PIN NO.	VOLTAGE (V)
IC301	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	3.3
28	0
29	1.5
30	0
31	0
32	0
33	0
34	3.3
35	3.3
36	3.3
37	3.3
38	3.3
39	3.2
40	3.3
41	3.3
42	3.3
43	0
44	0
45	3.3
46	3.3
47	3.3
48	3.3
49	3.3
50	3.3
51	3.2
52	0
53	3.2
54	0
55	0
56	3.3
57	3.3
58	3.2
59	0
60	3.3
61	3.3
62	3.3
63	3.2
64	0
65	0
66	0
67	0.9
68	3.3
69	0
70	1.4
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	1.7
80	0
81	1.7
82	1.7
83	3.2
84	3.2
85	3.3
86	0
87	0.5
88	2.0
89	0.9
90	2.3
91	0
92	2.5
93	0.8
94	0.9
95	2.5
96	0.7
97	0.7
98	0.8
99	0.9
100	0.4

PIN NO.	VOLTAGE (V)
101	0.8
102	0.8
103	3.3
104	0
105	0
106	2.8
107	0.5
108	0.4
109	0.4
110	0.6
111	0.9
112	2.4
113	0.9
114	0
115	3.3
116	0.8
117	0.1
118	1.7
119	1.7
120	1.6
121	2.0
122	0.5
123	0.5
124	1.6
125	0
126	0
127	3.3
128	0.9
129	0
130	1.4
131	0
132	0
133	2.1
134	0.3
135	0.5
136	0.3
137	0
138	0
139	3.3
140	0.9
141	0
142	1.4
143	0
144	1.9
145	2.1
146	0.7
147	2.0
148	2.1
149	0
150	0
151	3.3
152	3.3
153	0
154	3.2
155	0
156	0
157	0
158	0.5
159	0
160	0
161	3.3
162	0
163	0
164	0
165	0
166	0
167	0
168	0
169	0
170	0
171	0
172	3.3
173	3.3
174	0
175	2.7
176	2.7
177	2.2
178	1.6
179	0
180	3.3
181	2.1
182	0
183	2.7
184	2.7
185	0
186	1.6
187	1.3
188	0
189	3.3
190	1.6
191	2.1
192	2.7
193	2.7
194	0
195	0
196	0
197	3.3
198	3.3
199	2.9
200	3.0
201	0

PIN NO.	VOLTAGE (V)
202	0
203	0
204	1.7
205	1.7
206	3.3
207	3.2
208	0
IC401	
1	0
2	3.3
3	2.5
4	0.5
5	2.0
6	0.9
7	2.3
8	1.0
9	2.5
10	0.7
11	0.9
12	0
13	0
14	0
15	2.5
16	0.7
17	0.7
18	0.8
19	0
20	0.4
21	0
22	3.3
23	2.5
24	0.7
25	0.8
26	0
27	0
28	2.8
29	0.5
30	0.4
31	0.4
32	0
33	0.6
34	0.8
35	2.4
36	0.8
37	0
38	0
39	3.2
40	0
41	2.5
42	3.3
43	1.6
44	0
45	0
46	0
47	0
48	2.9
49	0
50	2.9
51	0
52	1.1
53	0
54	3.2
55	0
56	3.2
57	0
58	0
59	0
60	3.3
61	0
62	2.5
63	0
64	0
65	0.5
66	0.4
67	0.4
68	0
69	1.8
70	1.7
71	0.5
72	0.5
73	0
74	3.3
75	2.5
76	0
77	0
78	0
79	0
80	0.9
81	0.1
82	0
83	2.1
84	0.7
85	0.7
86	1.5
87	0
88	0
89	0
90	3.3
91	0
92	0
93	0.4

PIN NO.	VOLTAGE (V)
94	0.5
95	0.7
96	1.8
97	0.6
98	0
99	1.4
100	1.5
101	0
102	0
103	3.2
104	3.2
105	0
106	3.3
107	2.5
108	1.5
109	0
110	0
111	0
112	0
113	0
114	0
115	0
116	0
117	0
118	0
119	0
120	0
121	0
122	0
123	3.3
124	2.5
125	0
126	0
127	0
128	0
129	0
130	0
131	0.1
132	0
133	0
134	0
135	0
136	0
137	0
138	3.2
139	2.5
140	0
141	0.1
142	0.1
143	0
144	0
145	0.1
146	0.1
147	0.1
148	0.1
149	0
150	3.3
151	2.5
152	0
153	0
154	3.2
155	-0.7
156	0
157	3.3
158	2.5
159	0
160	0
161	0
162	0
163	0
164	2.1
165	2.0
166	0.7
167	2.1
168	1.9
169	0
170	3.3
171	2.5
172	1.5
173	1.4
174	0
175	0.9
176	0
177	0.3
178	0.5
179	0.4
180	0
181	3.3
182	2.5
183	2.1
184	1.6
185	1.4
186	1.4
187	0
188	0.9
189	0
190	1.6
191	0
192	0.5
193	0.5
194	2.0

PIN NO.	VOLTAGE (V)
195	1.6
196	1.7
197	1.6
198	0.1
199	0.8
200	0
201	1.5
202	0
203	3.1
204	3.3
205	0
206	3.3
207	2.5
208	0
209	0
210	0.9
211	2.4
212	0.8
213	0.6
214	0
215	0.4
216	0.5
217	2.8
218	0
219	0.1
220	0
221	3.3
222	2.5
223	0.8
224	0.8
225	0.4
226	0.9
227	0.8
228	0
229	0.7
230	0
231	0.6
232	2.6
233	0
234	0
235	0.9
236	0.8
237	0
238	3.3
239	2.5
240	2.5
241	0.9
242	2.3
243	2.9
244	2.0
245	0.5
246	0
247	3.2
248	1.6
249	-0.5
250	0
251	0
252	2.5
253	0
254	0
255	0
256	0
IC405	
1	3.3
2	0
3	0
4	3.3
5	2.5
IC501	
1	3.3
2	3.3
3	3.3
4	0
5	0
6	3.3
7	0
8	3.3
9	3.3
10	0.9
11	0.7
12	0.4
13	0.9
14	0.8
15	0.7
16	0.7
17	2.6
18	3.3
19	0
20	0.9
21	0.7
22	2.5
23	0.9
24	2.3
25	0.9
26	2.0
27	0.5
28	0
29	3.3
30	0.9
31	2.4
32	0.8

PIN NO.	VOLTAGE (V)
33	0.6
34	0.4
35	0.4
36	0.5
37	2.8
38	3.3
39	0
40	0.2
41	0
42	0
43	3.3
44	1.6
45	0
46	2.3
47	3.3
48	3.2
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	0
57	3.3
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	3.3
68	0
69	0
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	3.2
79	0
80	3.0
81	3.0
82	3.3
83	0
84	3.2
85	3.0
86	3.0
87	0
88	3.3
89	0
90	3.0
91	3.0
92	0
93	3.0
94	3.0
95	3.3
96	3.0
97	3.3
98	0
99	3.2
100	3.3
IC502	
1	3.3
2	3.3
3	0
4	0
IC601	
1	2.1
2	0.7
3	0.5
4	0.5
5	0
6	0.5
7	0.4
8	0.4
9	1.8
10	1.6
11	1.4
12	0
13	0
14	0.7
15	3.3
16	0
17	0
18	0
19	0
20	0
21	0
22	3.3
23	3.3
24	0
25	0
26	1.5
27	1.3

PIN NO.	VOLTAGE (V)
28	1.1
29	1.4
30	3.3
31	1.1
32	1.4
33	1.2
34	1.3
35	0
36	1.0
37	1.4
38	1.2
39	1.3
40	3.3
41	1.2
42	1.2
43	0
44	1.2
45	1.2
46	1.1
47	1.3
48	3.3
49	1.1
50	1.3
51	0
52	0
53	3.3
54	3.2
55	3.3
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	3.3
68	0
69	3.3
70	3.3
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	3.3
83	0
84	0
85	1.4
86	1.4
87	0
88	0.4
89	0.5
90	0.7
91	1.8
92	0.6
93	0.6
94	1.5
95	0
96	0
97	3.3
98	0
99	0.9
100	0.1
IC602	
1	1.5
2	1.1
3	0
4	0
5	0
6	0
7	0
8	3.2
IC603	
1	1.6
2	1.6
3	0
4	1.5
5	3.3
IC801	
1	5.0
2	0
3	3.3
IC802	
1	12.0
2	0
3	5.2
IC803	
1	0
2	8.4
3	8.5
4	4.9

PIN NO.	VOLTAGE (V)
5	8.4
6	-0.1
7	-6.1
8	-3.8
9	5.0
10	5.0
11	5.0
12	5.0
13	-6.0
14	0
15	5.0
16	5.0
IC804	
1	4.9
2	1.0
3	4.4
4	5.0
5	1.0
6	0
7	0
8	0
9	5.0
10	5.0
11	5.0
12	1.1
13	5.0
14	5.0
15	5.0
16	5.0
IC805	
1	0
2	0
3	0
4	0
5	5.0
6	4.9
7	0
8	5.0
IC807	
1	1.8
2	0
3	5.0
4	3.2
5	0
6	3.4
7	5.0
8	0
9	0
10	2.4
11	2.5
12	5.0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	4.9
21	0
22	0
23	5.0
24	5.0
25	5.0
26	4.3
27	4.3
28	0
29	0
30	4.9
31	1.5
32	0
33	0
34	0
35	5.0
36	0
37	0.1
38	0
39	5.0
40	5.0
41	5.0
42	5.0
43	5.0
44	0
45	4.9
46	5.0
47	4.9
48	0
49	0
50	0
51	0
52	5.0
53	0
54	0.4
55	0
56	5.0
57	0.3
58	0
59	5.0
60	0
61	0
62	0

PIN NO.	VOLTAGE (V)
63	0
64	4.9
IC808	
1	0
2	3.4
3	0
4	0
5	0
6	0
7	4.9
8	0
9	0
10	0
11	0
12	0
13	5.0
14	0
15	0
16	0.1
17	0
18	5.0
19	0
20	5.0
IC809	
1	5.0
2	5.0
3	0
4	0
IC810	
1	0
2	0
3	5.0
4	0
5	0
6	0
7	0
8	4.9
9	1.3
10	0
11	0
12	3.3
13	0
14	0
15	0
16	0
17	3.3
18	0
19	0
20	3.3
Q703	
S	3.2
D	3.3
G	5.0
Q704	
S	3.3
D	3.3
G	5.0
Q801	
S	3.3
D	3.0
G	4.4
Q802	
S	3.4
D	2.9
G	4.3
Q803	
E	5.0
C	5.0
B	4.4
Q804	
E	0
C	0
B	0.7
CN0AH	
1	0
2	0
3	3.3
4	0
5	1.1
6	1.5
7	0.3
8	0
9	1.1
10	1.4
11	1.1
12	0
13	1.2
14	1.3
15	0
16	1.0
17	1.4
18	1.1
19	1.3
20	1.3
21	1.2
22	0
23	1.2
24	1.3
25	1.1
26	1.3
27	1.1

PIN NO.	VOLTAGE (V)
28	1.3
29	0
30	0
31	0
CN0AV	
1	4.3
2	4.4
3	0
4	5.0
5	5.0
6	0
7	4.9
CN0C1	
1	0
2	4.4
3	4.3
4	4.9
5	5.0
6	5.0
CN0C2	
1	5.0
2	5.0
3	0.9
4	0.9
5	0
6	5.0
7	5.0
8	0
9	5.0
CN0CB	
1	5.0
2	0
3	5.0
4	12.0
5	0
6	0
7	0
8	3.3
9	3.3
CN0CC	
1	5.0
2	5.0
3	0
4	0
5	4.9
6	0
7	1.8
8	5.2
CN0CD	
1	3.4
2	3.3
3	0
4	2.4
5	2.4
6	0
CN0CE	
1	0
2	0
3	0
4	0
5	0
6	0
CN0CF	
1	4.3
2	4.4
3	0
4	5.0
5	0
6	0
7	0
8	5.2
CNDVI	
1	3.0
2	3.0
3	0
4	0
5	0
6	0
7	5.0
8	0
9	3.0
10	3.0
11	0
12	0
13	0
14	5.0
15	0
16	3.3
17	3.0
18	3.0
19	0
20	0
21	0
22	0
23	3.0
24	3.0
CNMDR	
1	0
2	0
3	0
4	0

PIN NO.	VOLTAGE (V)
5	0
6	0
7	3.3
8	2.4
9	2.4
10	0
11	4.9
12	0
13	0
14	0
15	0
16	0
17	-5.0
18	0
19	-5.5
20	0
21	0
22	0
23	0
24	0
25	0
26	0

<AUDIO PWB>

PIN NO.	VOLTAGE (V)
IC6501	
1	6.0
2	6.0
3	6.0
4	0
5	6.0
6	6.0
7	6.0
8	12.0
IC6521	
1	6.0
2	6.0
3	6.0
4	6.0
5	6.0
6	6.0
7	6.0
8	6.0
9	0.9
10	6.0
11	4.5
12	4.6
13	4.3
14	4.4
15	0
16	12.0
17	4.5
18	0
19	5.3
20	5.4
21	6.0
22	6.0
23	6.0
24	6.0
25	6.0
26	6.0
27	6.0
28	6.0
29	6.0
30	6.0
IC6551	
1	6.0
2	6.0
3	6.0
4	0
5	6.0
6	6.0
7	6.0
8	12.0
IC6552	
1	6.0
2	6.0
3	6.0
4	0
5	6.0
6	6.0
7	6.0
8	12.0
IC6571	
1	6.0
2	6.0
3	6.0
4	0
5	6.0
6	6.0
7	6.0
8	12.0
IC6621	
1	0
2	0
3	9.5
4	4.2
5	9.5
6	12.4
7	3.2
8	0
9	3.2
10	9.2
11	2.8
12	2.8
13	0
14	2.8
15	2.8
16	6.0
17	3.3
18	0
19	3.3
20	12.4
21	9.5
22	1.1
23	9.5
24	0
25	1.1
Q6521	
E	0
C	0
B	-0.1
Q6522	
E	0
C	0
B	0

PIN NO.	VOLTAGE (V)
Q6523	
E	0
C	0
B	0
Q6531	
E	0
C	2.7
B	0
Q6532	
E	0
C	0
B	2.7
Q6533	
E	0
C	0
B	0.6
Q6534	
E	0.7
C	0.6
B	0.1
Q6601	
E	0
C	0
B	0.1
Q6603	
E	0.8
C	0.7
B	0.2
Q6641	
E	0
C	11.8
B	0
Q6642	
E	11.4
C	0
B	11.8
Q6643	
E	0
C	0
B	0.6
CN600K	
1	12.4
2	0
CN60CA	
1	12.0
2	0
3	0
CN60CE	
1	0
2	0
3	0
4	0
5	0
6	0
CN60CF	
1	4.3
2	4.3
3	0
4	4.9
5	0
6	0
7	0
8	5.1
CN60SP	
1	0
2	0
3	0
4	0
5	0
6	0
7	9.5
8	0
9	9.5

<DISPLAY LED PWB>

PIN NO.	VOLTAGE (V)
IC1741	
1	0
2	0
3	3.7
4	5.1
IC1742	
1	4.0
2	4.9
3	0
Q1741	
E	1.9
C	1.9
B	4.8
Q1742	
E	0.2
C	4.9
B	0

<SYSTEM POWER PWB>

PIN NO.	VOLTAGE (V)
IC9142	
1	5.7
2	5.0
3	0
4	5.8
IC9221	
1	0.6
2	0
3	210.5
4	11.9
5	1.9
IC9242	
1	12.0
2	9.8
3	0
IC9262	
1	13.0
2	3.5
3	0
4	1.2
5	6.3
IC9263	
1	13.1
2	12.0
3	0
4	13.1
Q9141	
E	0
C	0
B	0.8
Q9142	
E	0
C	0
B	0.7
Q9143	
E	4.2
C	5.0
B	4.9
CN900K	
1	12.5
2	0
CN90CA	
1	12.0
2	0
3	0
CN90CB	
1	5.0
2	0
3	5.0
4	12.0
5	0
6	0
7	0
8	3.3
9	3.3
CN900J	
1	74.4
2	74.3
CN900P	
1	74.4
2	74.3
3	0
4	0

<PDP POWER PWB>

PIN NO.	VOLTAGE (V)
IC101	
1	1.0
2	0
3	0
4	1.4
5	0
6	1.9
7	0
8	7.0
9	18.8
10	18.8
11	7.5
12	18.7
13	5.0
14	0
15	1.4
16	-0.1
IC501	
1	2.7
2	0
3	378.8
4	19.0
5	0
IC502	
1	2.5
2	0
3	3.8
IC505	
1	3.6
2	3.8
3	0
4	0
5	0
6	0
7	0
8	5.0
IC506	
1	4.7
2	4.7
3	0
4	0
IC601	
1	0.9
2	0
3	378.7
4	18.8
5	3.0
IC602	
1	2.4
2	0
3	23.7
IC701	
1	0.9
2	0
3	378.3
4	18.9
5	2.9
IC702	
1	2.4
2	0
3	23.3
Q101	
S	0
D	202.4
G	6.8
Q102	
S	0
D	202.4
G	6.8
Q103	
E	6.5
C	0
B	6.5
Q104	
E	6.6
C	0
B	6.6
Q105	
E	6.8
C	18.8
B	6.8
Q106	
E	6.8
C	0
B	6.8
Q107	
E	0
C	0
B	0.6
Q108	
1	0
2	0
3	8.3
Q201	
E	0
C	4.9
B	0
Q501	
E	2.8
C	19.0
B	0

PIN NO.	VOLTAGE (V)
Q503	
E	0
C	0
B	0.7
Q504	
E	0
C	1.1
B	0
Q506	
E	0
C	0
B	0.6
Q507	
E	0
C	0.7
B	0
Q510	
E	19.0
C	19.0
B	18.5
Q511	
E	19.0
C	2.8
B	20.7
Q512	
E	0
C	0
B	0.6
Q601	
E	30.6
C	18.9
B	29.3
Q602	
E	0
C	28.8
B	-
Q603	
E	0
C	3.0
B	0
Q605	
E	188.5
C	0.6
B	0
Q606	
E	0
C	0
B	0.7
Q607	
E	0
C	0.7
B	0
Q701	
E	0
C	2.9
B	0
Q703	
S	0
D	64.6
G	0.6
Q704	
E	0
C	0
B	0.7
Q705	
E	0
C	5.0
B	0
CN0AT	
1	5.2
2	5.2
3	0
4	0
CN0AU	
1	4.9
2	0
3	0
4	0
5	0
6	64.6
7	64.6
8	0
9	188.4
10	188.4
CN0AV	
1	3.7
2	3.8
3	0
4	5.0
5	5.0
6	0
7	4.9
CN0C4	
1	188.5
2	0
3	64.6
4	0
5	5.2
6	0

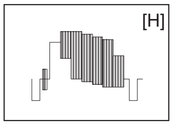
WAVEFORMS

[RECEIVER UNIT]

- MAIN PWB -

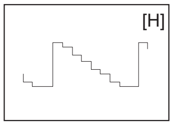
(SHEET 1) (SHEET 2)

TU001-16



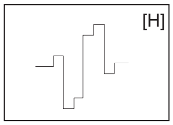
1.8Vp-p

IC101-6



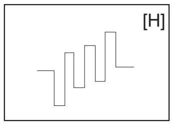
0.4Vp-p

IC101-7



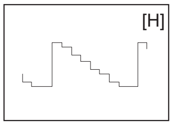
0.58Vp-p

IC101-8



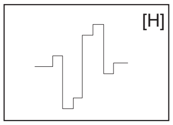
0.58Vp-p

IC101-12



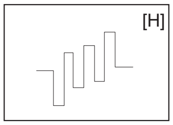
0.44Vp-p

IC101-13



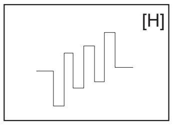
0.6Vp-p

IC101-14



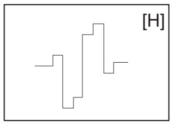
0.6Vp-p

IC101-31



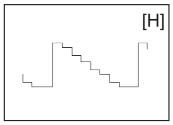
1.0Vp-p

IC101-32



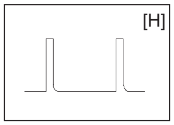
1.0Vp-p

IC101-33



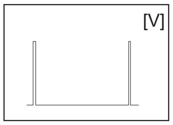
0.98Vp-p

IC201-1



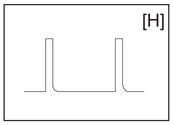
4.4Vp-p

IC201-2



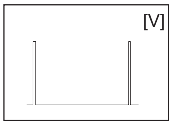
5.0Vp-p

IC201-3



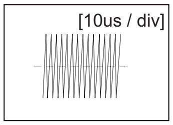
4.4Vp-p

IC201-4



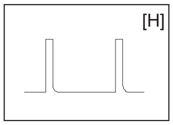
5.0Vp-p

IC201-7



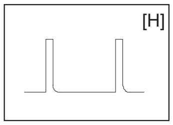
0.18Vp-p

IC201-13



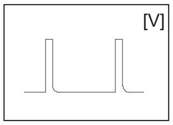
3.2Vp-p

IC201-15



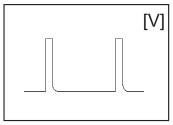
3.2Vp-p

IC201-22



3.2Vp-p

IC201-23

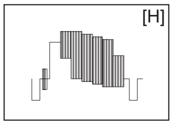


3.2Vp-p

- AV SW PWB -

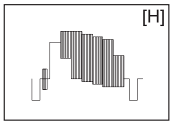
(SHEET 5)

IC101-30



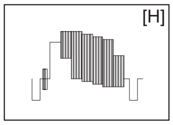
0.64Vp-p

IC101-41



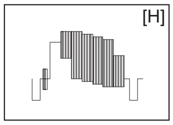
1.5Vp-p

IC101-44



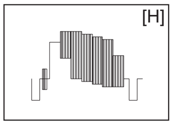
1.8Vp-p

IC101-55



1.4Vp-p

IC101-63

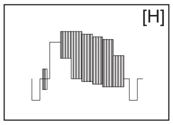


0.64Vp-p

- SUB TUNER -

(SHEET 7)

TU002-16

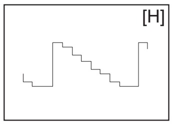


1.8Vp-p

- DIST PWB -

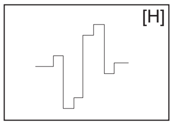
(SHEET 9)

IC001-34



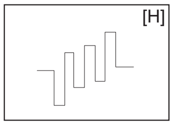
0.6Vp-p

IC001-40



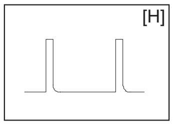
0.9Vp-p

IC001-42



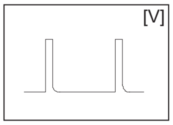
0.9Vp-p

IC001-49



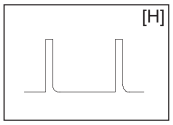
3.4Vp-p

IC001-55



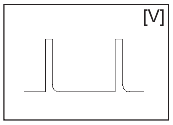
3.4Vp-p

IC001-78



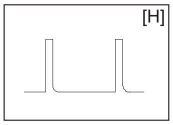
3.4Vp-p

IC001-79



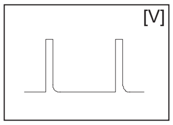
3.4Vp-p

IC003-30



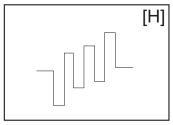
3.2Vp-p

IC003-31



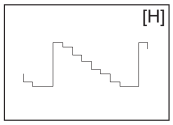
3.4Vp-p

IC003-43



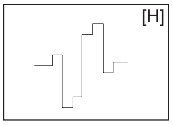
0.72Vp-p

IC003-48



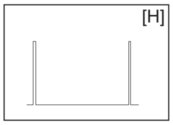
0.5Vp-p

IC003-54



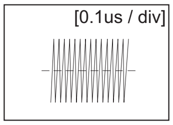
0.72Vp-p

IC003-66



3.2Vp-p

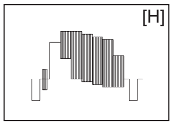
IC003-67



0.2Vp-p

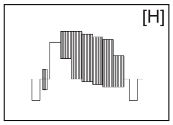
(SHEET 13)

IC701-1



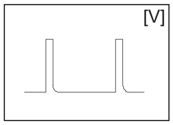
0.76Vp-p

IC701-3



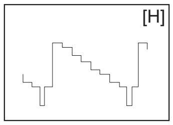
1.25Vp-p

IC701-4



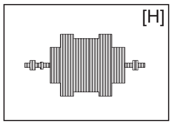
5.0Vp-p

IC701-5



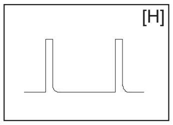
0.64Vp-p

IC701-7



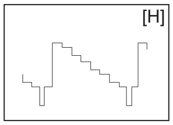
0.23Vp-p

IC701-9



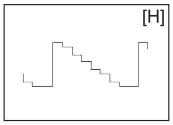
4.4Vp-p

IC701-11



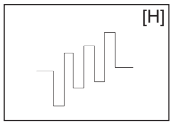
0.6Vp-p

IC701-21



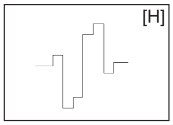
0.38Vp-p

IC701-22



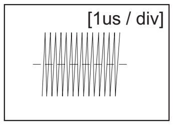
0.58Vp-p

IC701-23



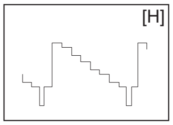
0.58Vp-p

IC701-46



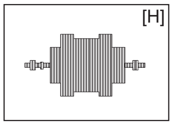
0.6Vp-p

IC703-2



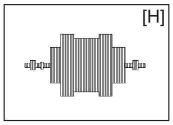
0.64Vp-p

IC703-4



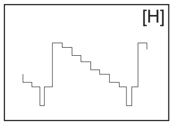
0.2Vp-p

IC703-5



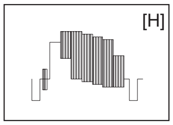
0.24Vp-p

IC703-15



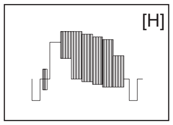
0.64Vp-p

IC801-1



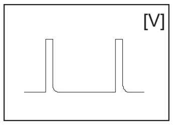
0.76Vp-p

IC801-3



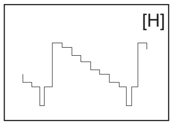
1.3Vp-p

IC801-4



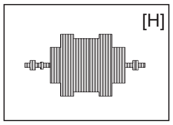
5.0Vp-p

IC801-5



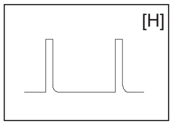
0.64Vp-p

IC801-7



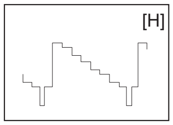
0.26Vp-p

IC801-9



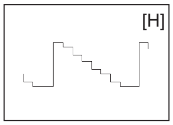
4.4Vp-p

IC801-11



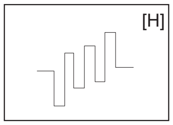
0.6Vp-p

IC801-21



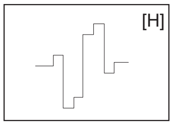
0.4Vp-p

IC801-22



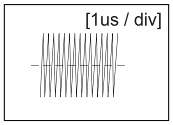
0.62Vp-p

IC801-23



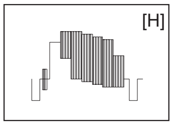
0.62Vp-p

IC801-46



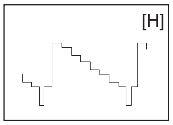
0.6Vp-p

IC802-7



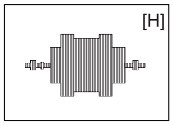
0.92Vp-p

IC802-25



0.76Vp-p

IC802-27



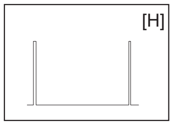
0.33Vp-p

[DISPLAY UNIT]

- DISPLAY INTERFACE PWB -

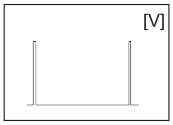
(SHEET 22)

IC807-37



5.0Vp-p

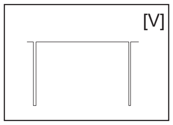
IC807-53



5.4Vp-p

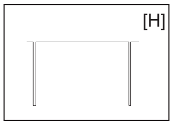
(SHEET 23)

IC501-47



3.3Vp-p

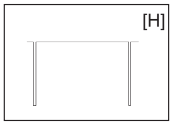
IC501-48



3.3Vp-p

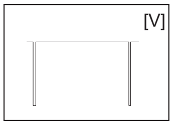
(SHEET 24)

IC401-103



3.3Vp-p

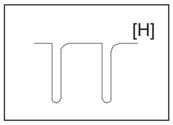
IC401-104



3.3Vp-p

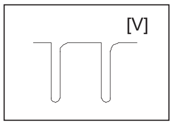
(SHEET 25)

IC301-153



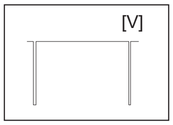
3.3Vp-p

IC301-154



3.3Vp-p

IC301-206

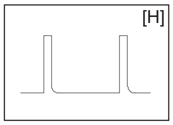


3.3Vp-p

- PDP POWER PWB -

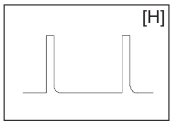
(SHEET 32)

Q101-D



400Vp-p

Q101-G



175Vp-p